IP VIDEO PROJECT PRODUCTS

Network Cameras / PTZ / Anti-Corrosion & Explosion-Proof Cameras / NVR / IVSS / EVS / MPT / Thermal / ITC / Transmission / Display & Control / Accessories / Video Management Software / DORI Distance

2023 Ver. 2

CONTENTS

11 NETWORK CAMERAS
WizMind Series / Panoramic Series / Special Series

53 NETWORK PTZ CAMERAS
WizMind Series / All-environment Series

66 ANTI-CORROSION & EXPLOSION-PROOF CAMERAS
Anti-Corrosion Series / Explosion-Proof Series

71 NETWORK VIDEO RECORDERS
WizMind Series / Ultra Series / Pro Series

76 INTELLIGENT COMPUTING

81 EMBEDDED VIDEO STORAGE/ PORTABLE MOBILE TERMINAL

90 NETWORK THERMAL CAMERAS
Security / Thermography

103 INTELLIGENT TRANSPORTATION CAMERAS

113 TRANSMISSION

126 DISPLAY & CONTROL
Display Device / Video Management Platform / Decoder / Keyboard

144 ACCESSORIES / VIDEO MANAGEMENT SOFTWARE / DORI DISTANCE (D/O/R/I)

WizMind

Dahua Technology, with its award-winning deep learning algorithms, proudly released WizMind, a full portfolio of solutions composed of project-oriented products including IPC, NVR, PTZ, IVSS, thermal and software platform that adopts industry-leading deep learning algorithms. Focusing on customer's requirements, WizMind provides precise, reliable and comprehensive AI solutions for vertical markets including government, retail, energy, finance and transportation.

Smart City | Retail | Energy | Building | Finance | Transportation

Human Applications

WizMind can search for targets and analyze human-based data. Both security and privacy of users are protected by powerful AI algorithms and advanced fusion technologies.

Vehicle Applications

WizMind captures attributes of vehicles for easy management, quick search and efficient business analysis. Various scenarios including roads, waters and parking spaces are covered completely.

WizMind Ecosystem

The Dahua WizMind series is compatible with major third-party platforms. Its partner ecosystem provides sufficient DHOP and API, enabling excellent integration with our technology partners.

Thermal Applications

WizMind offers ultra-long range surveillance even in harsh environments through effective utilization of thermal technology. It is also equipped with intelligent AI functions such as Industrial Temperature Measurement and Boat Detection.

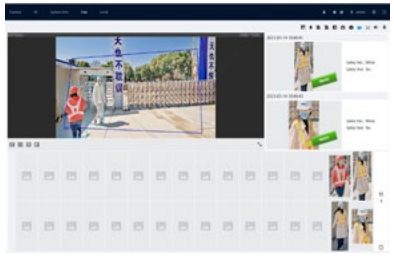
Wiz Mind

Empowering Verticals With Leading AI Technology

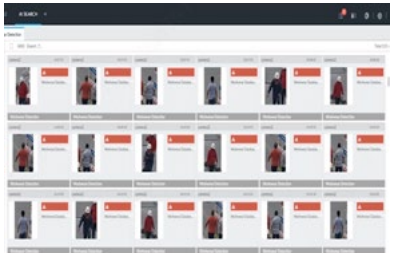
Human Applications

PPE Detection

Detects compliance of wearing Personal Protective Equipment in the site. Attributes that can be detected include helmets, hats, uniforms, masks, gloves, shoe covers, shoes, safety vests, seatbelts. Besides that, we also support custom training model, offers flexible and convenient operation.



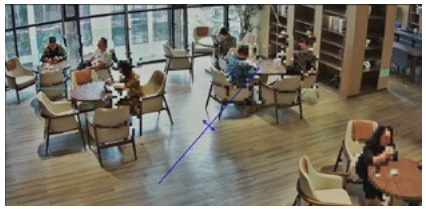
PPE Detection



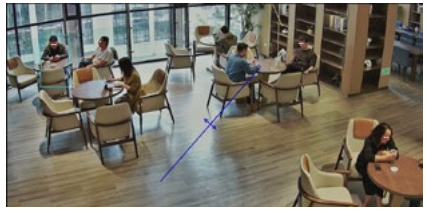
AI Search

Privacy Protection +

Privacy Protection is designed to protect the privacy and data of human face and body. It is based on deep learning algorithm and complies with GDPR. The concept of Privacy Protection + means Privacy Protection can enable both Privacy Protection and one of the AI functions simultaneously (e.g., PPE, Video Metadata, People Counting, IVS, Face Detection or Face Recognition) based powerful chips and fusion algorithms. It suits more complex scenes and can provide users with more valuable intelligent data and analysis.



Human Body Mosaic

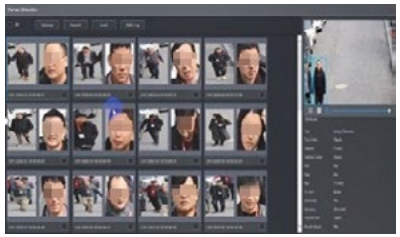


Recoverable Video

Human Video Metadata

Human Video Metadata technology with deep learning algorithm can detect, track, and capture images of people. It selects the best images and extracts attributes of targets to locate them immediately. It supports up to 20+ kinds of human attributes.

Human Video Metadata

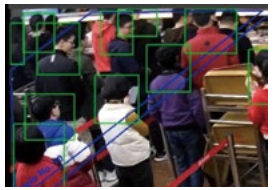


Quick Target Search

People Counting

The Dahua People Counting can track and process moving human body targets to realize accurate statistics of people entering, leaving and currently within the monitored area. This intelligent function offers customers with valuable data for business report analysis, providing statistics with up to 99% counting accuracy.

People Counting for Line Crossing



People Counting in Area

Queue Management

Human Applications

Panoramic Surveillance 2023

The Dahua panoramic system is designed for applications that require a 360°, 270° and 180° view for situational awareness. WizMind offers all-in-one design, up to 8K ultra high definition resolution, wider coverage, excellent night view, better image correction, and rich AI functions. It is a perfect surveillance solution that can replace multiple conventional cameras, reduce complexity, and save installation and maintenance costs.

Stereo Analysis

With deep learning algorithm and 3-dimensional technology, the Dahua Stereo Analysis technology offers various functions that can recognize people's behaviors, including fall detection, violence detection, strand detection, people approach and number of people error.

Fall Detection

Violence Detection

Smart Tracking

Aside from detecting humans entering a restricted area, smart tracking also automatically track objects all the time. Based on different scenarios, Dahua provides different tracking solutions with accuracy rate of up to 90%.

Target Detection

Auto Tracking

Vehicle Applications

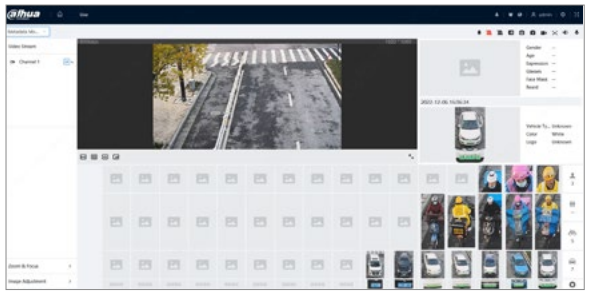
ANPR

With deep learning algorithm, the Dahua ANPR (Automatic Number Plate Recognition) technology can recognize the number plate information of vehicles from 70+ countries. This system can also be used to provide higher security in restricted area.

ANPR

Vehicle Video Metadata

Vehicle Video Metadata includes vehicle attributes information extracted from a target that can be used for data retrieval. With the detection rate of up to 99%, this system can be used to locate targets quickly and efficiently.



Vehicle Video Metadata

Hydrological Monitoring

Utilizing self-developed algorithms, Dahua's Hydrological Monitoring is mainly used in areas with water resources, including rivers, seas and lakes. Its application includes three parts: water level detection, boat detection and floating objects detection. At present, this solution is mainly used for hydrological management and analysis.

Water Level Detection

Boat Detection

Floating Objects Detection

Illegal Parking Detection

When a vehicle enters the monitored area, the Dahua Parking Detection technology based on CNN deep learning will capture its images and save metadata. It helps security personnel in ensuring smooth traffic and reducing accidents and property losses caused by illegal parking.

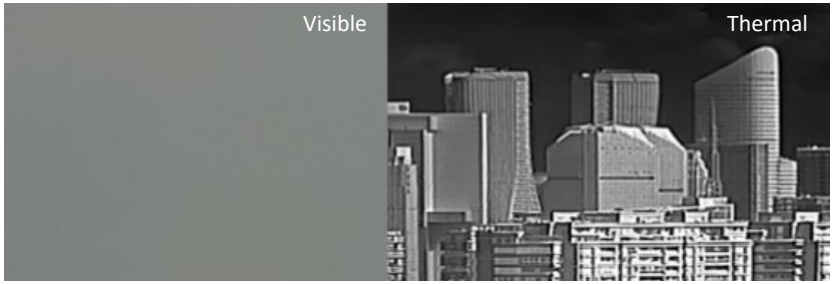
Illegal Parking Detection

Thermal Applications

Long Range Perimeter Protection

With deep learning and thermal technology, this camera can realize long range perimeter protection that can easily recognize human or vehicle even from far distance. In addition, it is also not affected by environmental factors, enabling it to provide a highly accurate thermal image of the scene.

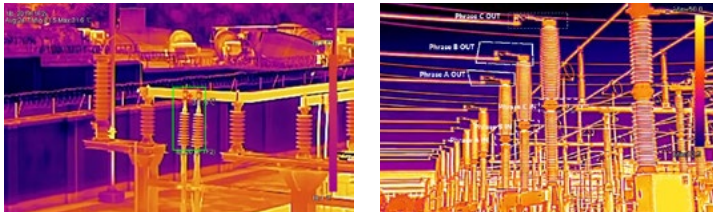
Ultra Long Range Detection up to 20km



Tested in Foggy Weather

Industrial Temperature Measurement

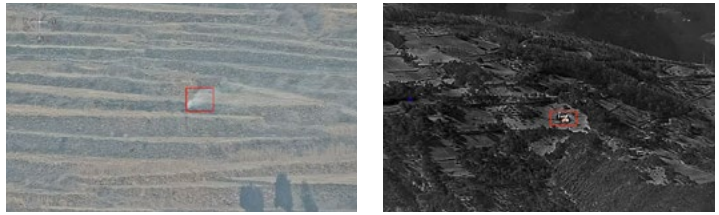
There is a corresponding relationship between radiation energy and temperature. The different gray values can be used to represent difference in temperature in order to achieve an effective temperature measurement function. Dahua provides an online temperature measurement method that can be used in various industries, saving labor cost and increasing the inspection efficiency.



Industry Temperature Measurement

Fire Prevention

Thermal cameras can detect mild differences in temperature change. This feature allows thermal cameras to detect objects with different temperature compared to the average temperature of the scene. As fires usually have much higher temperature than the surrounding environment, Dahua thermal cameras are able to detect the presence of fire in the scene.



Advanced Heat Detection

WizMind Ecosystem

Good Compatibility

Compatible with global video management system, PSIM, and alarm monitoring software such as AxxonSoft, Digifort, Advancis, SoftGuard, and more.

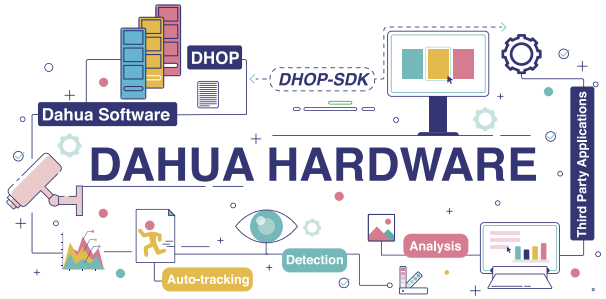
Supports advanced features with Qognify, Network Optix, Luxriot and others, which include ANPR, People Counting, Perimeter Protection and Heat Map.

Dahua is a full member of ONVIF. All WizMind products passed the ONVIF conformance process.

DHOP

· The Dahua Hardware Open Platform allows users to customize the camera based on their actual needs.

· More than 15 existing partners
· More than 18 applications available



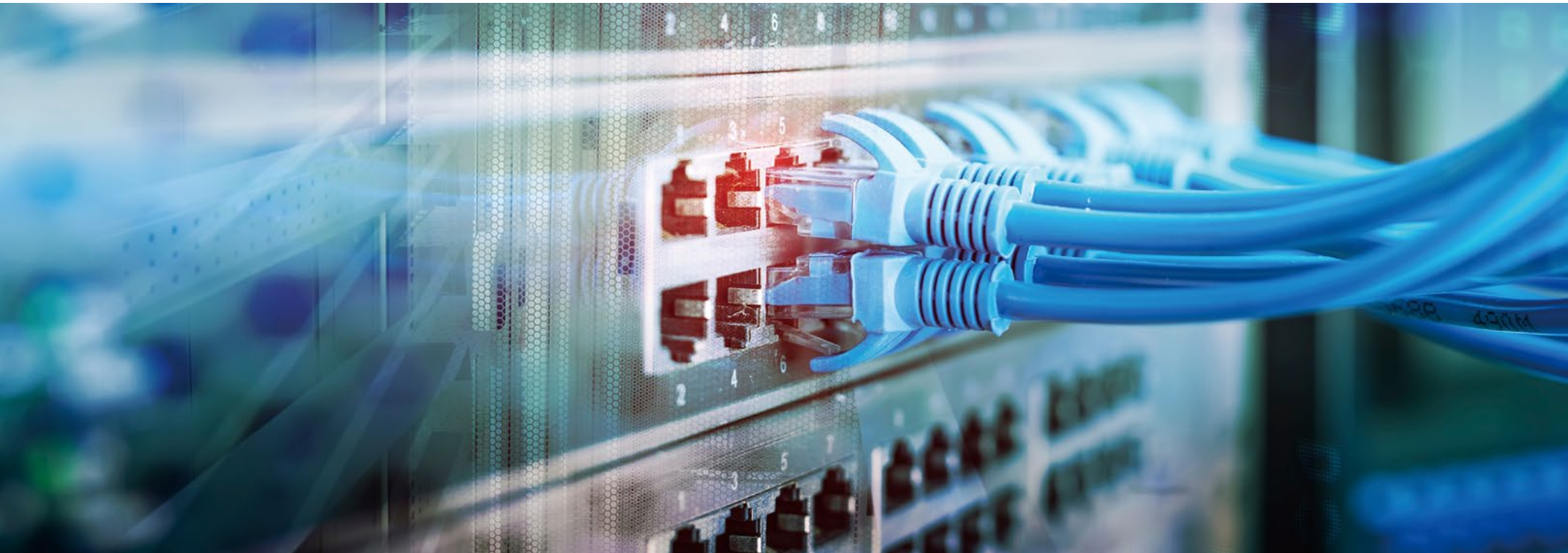
Sufficient API

The sufficient API provided by Dahua allows any technology partners to communicate with WizMind products.

Reliable customer support and complete SDK demos and API documents are available on our website.

ePoE

The Dahua ePoE technology provides a new way to accomplish long distance transmission between IP camera and network switch. It presents a more flexible surveillance system design, improves reliability, and saves construction and wiring costs.



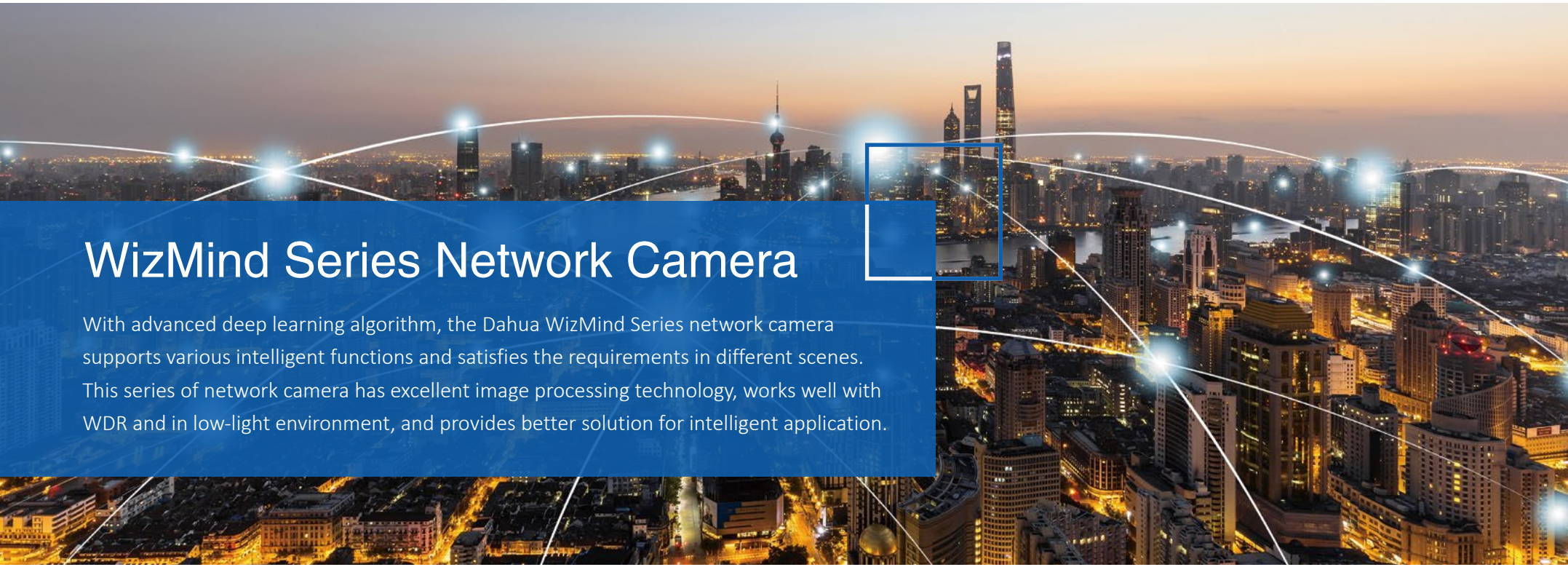
Security Radar / Radar-PTZ Linkage System

The Security Radar / Radar-PTZ Linkage System, powered by radar detection and intelligent tracking algorithm, provides all-weather and all-environment target intrusion detection and displays the movement tracks of the target on the radar map. Combined with Dahua's own ball control technology, it can realize essential functions including global radar large-scale detection and multi-PTZ video detail tracking by accessing the general PTZ cameras.

Highlights

- Works in all-weather conditions (darkness, heavy fog, rain, snow, etc.) with extra wide angle detection range.
- Configuration and management on DSS platform for radar-PTZ smart tracking system.
- Low false alarm rate (through adoption of smart radar algorithm), movement tracks display, PTZ real-time monitoring, and human/vehicle target filtering.
- Supports linkage of multiple PTZ cameras to one radar, or multiple radars to one PTZ camera, providing high-caliber set of alarms.

NETWORK CAMERAS



WizMind Series Network Camera

With advanced deep learning algorithm, the Dahua WizMind Series network camera supports various intelligent functions and satisfies the requirements in different scenes. This series of network camera has excellent image processing technology, works well with WDR and in low-light environment, and provides better solution for intelligent application.

Perfect Performance

Adopts advanced AI technologies including deep learning algorithms.

AI Functions

- ANPR
- AcuPick
- Face Recognition
- Privacy Protection
- Video Metadata
- People Counting
- Perimeter Protection
- PPE Detection
- Heat Map
- Stereo Analysis
- Classroom Behavior Analysis
- Exam Behavior Analysis

Smart H.265+ & Smart H.264+

With advanced scene-adaptive rate control algorithm, the Dahua Smart Encoding technology offers higher encoding efficiency compared to H.265 and H.264, providing high-quality videos and reducing storage and transmission costs.

Excellent Image

Provides clear images with the help of Ultra WDR (140dB), AI-Powered Image, Deeplight, and Full-color.

NETWORK CAMERAS

WizMind 8 Series

	Dual-lens Camera		Corner Camera
Model	IPC-HDW8441X-3D	IPC-HDW8441X-BV-3D	IPC-HCBW8442
Appearance			
Image Sensor	Two 1/2.8" 4MP CMOS	Two 1/2.8" 4MP CMOS	1/1.8" 4MP CMOS
Focal Length	2.0mm/F2.0; 2.8mm/F1.6	2.0mm/F2.0; 2.8mm/F1.6	2.5mm/F2.0
FOV-H	122°/95°	108°/87°	135°
Min. Illumination	2.0 mm: 0.007 lux@F2.0 (Color, 30 IRE) 0.0007 lux@F2.0 (B/W, 30 IRE) 0 lux (Illuminator on) 2.8 mm: 0.005 lux@F1.6 (Color, 30 IRE) 0.0005 lux@F1.6 (B/W, 30 IRE) 0 lux (Illuminator on)	0.005 Lux@F1.6 (Color,30 IRE) 0.0005 Lux@F1.6 (B/W,30 IRE) 0 Lux (Illuminator on)	0.004 Lux@F2.0 (Color, 30 IRE) 0.0004 Lux@F2.0 (B/W, 30 IRE) 0 lux (Illuminator on)
Day/Night	Auto (ICR)/Color/B/W	Auto (ICR)/Color/B/W	Auto (ICR)/Color/B/W
WDR	120dB	DWDR	140dB
Illumination Distance	20m (65.62ft) (IR)	20m (65.62ft) (IR)	10m (32.8ft) (IR)
Video Compression	H.265; H.264; H.264H; H.264B; MJPEG (Only supported by the sub stream)	H.265; H.264; H.264H; H.264B; MJPEG (Only supported by the sub stream)	H.265; H.264; H.264H; H.264B; MJPEG (Only supported by the sub stream)
Smart Codec	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+
Max. Resolution	4MP (2560×1440)	4MP (2688×1520)	4MP (2688×1520)
Frame Rate	25/30 fps@4MP	25/30 fps@4MP	25/30 fps@4MP
Multi-streaming	3 streams	3 streams	3 streams
Angle Adjustment	Tilt:-10°~70°	Tilt:-10°~70°	Tiltl:-10°~10°; Rotation: 0°~355°
Compatibility	ONVIF (Profile S&G&T); CGI	ONVIF (Profile S&G&T); CGI	ONVIF (Profile S&G&T); CGI
Audio In/Out	2/1, Built-in Mic and Speaker	2/1, Built-in Mic and Speaker	1/1, Built-in Mic
Memory Slot	Micro SD, Max. 512GB	Micro SD, Max. 512GB	Micro SD, Max. 256GB
Alarm In/Out	2 Channel In: 5mA 3V–5V DC 2 Channels Out: 300 mA 12 VDC	2 Channel In: 5mA 3V–5V DC 2 Channels Out: 300 mA 12 VDC	1 channel in: 5mA 3V–5V DC 1 channel out: 300mA 12V DC
Ingress Protection	IP67, IK10	IP67; IK10	IP67; IK10+ (50J)
Working Temperature	-40°C~+60°C (-40°F~+140°F)	-40°C~+60°C (-40°F~+140°F)	-30°C~+60°C (-22°F~+140°F)
Power	12V DC/PoE (802.3af), Max. 12.9W	12V DC/PoE (802.3af)/ePoE, Max. 12.9W	12V DC/PoE (802.3af)/ePoE, Max. 11.5W
Artificial Intelligence			
Face Detection	Supported	--	--
Face Recognition	--	--	--
Video Metadata	--	--	--
Classroom Behavior Analysis	--	--	--
Exam Behavior Analysis	--	--	--
Perimeter Protection	Supported	Supported	Supported
People Counting	Supported	--	Supported
Stereo Analysis	--	Supported	--
Privacy Protection	--	Supported	--
Abnormal Behavior Analysis	Supported	--	--
SMD	--	--	--
General Intelligence			
IVS	Abandoned object; missing object	Abandoned object; missing object	Abandoned object; missing object

ePoE • Extended PoE transmission: 800m, 10Mbps, 13w or 300m, 100Mbps, 25.4w

NETWORK CAMERAS

WizMind 8 Series

	Classroom Camera		High Temperature Tolerance Series	
Model	IPC-HDEW8841H-Z4-LB	IPC-HDEW8841H-Z-LB	IPC-HFS8849G-Z3-LED	IPC-HFS8449G-Z7-LED
Appearance	WizMind 4K Starlight	WizMind 4K Starlight+	WizMind 4K Polarlight	WizMind Polarlight
Image Sensor	1/1.8" 8MP CMOS	1/1.8" 8MP CMOS	1/1.2" 8MP CMOS	1/1.8" 4MP CMOS
Focal Length	8mm~32mm/F1.6	2.7mm~12mm/F1.2	12mm~36mm/F1.2	8mm~56mm/F1.2
FOV-H	42°~15°	112°~48°	50°~17°	41°~9°
Min. Illumination	0.005 lux@F1.6 (Color,30 IRE) 0.0005 lux@F1.6 (B/W,30 IRE) 0 lux (Illuminator on)	0.003 Lux@F1.2(Color,30 IRE) 0.0003 Lux@F1.2(B/W,30 IRE) 0 lux (Illuminator on)	0.0003 lux@F1.2(Color, 30 IRE) 0.0001 lux@F1.2 (B/W, 30 IRE) 0 lux (Illuminator on)	0.0003 lux@F1.2(Color, 30 IRE) 0.0001 lux@F1.2 (B/W, 30 IRE) 0 lux (Illuminator on)
Day/Night	Auto (ICR)/Color/B/W	Auto (ICR)/Color/B/W	Color	Color
WDR	120dB	120dB	120dB	120dB
Illumination Distance	80m (262.4ft) (IR)	40m (131.2ft) (IR)	80m (262.47ft) (Warm light)	80m (262.47ft) (Warm light)
Video Compression	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)
Smart Codec	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+
Max. Resolution	8MP (3840×2160)	8MP (3840×2160)	8MP (3840×2160)	4MP (2688×1520)
Frame Rate	25/30 fps@8MP	25/30 fps@8MP	25/30 fps@8MP	25/30 fps@4MP
Multi-streaming	5 streams	5 streams	5 streams	5 streams
Angle Adjustment	Pan: 0°~355°; Tilt: 0°~80°; Rotation: 0°~355°	Pan: 0°~355°; Tilt: 0°~80°; Rotation: 0°~355°	--	--
Compatibility	ONVIF (Profile S&G&T); CGI	ONVIF (Profile S&G&T); CGI	ONVIF (Profile S&G&T); CGI	ONVIF (Profile S&G&T); CGI
Audio In/Out	1/1, Built-in Dual Mic, Built-in Speaker	1/1, Built-in Dual Mic, Built-in Speaker	2/1	2/1
Memory Slot	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB
Alarm In/Out	3 Channel in: wet contact, 5mA 3V~5V DC 2 Channel Out: dry contact, 1,000mA 30V DC/500mA 50V AC	3 Channel in: wet contact, 5mA 3V~5V DC 2 Channel Out: dry contact, 1,000mA 30V DC/500mA 50V AC	3 Channel in: wet contact, 5mA 3V~5V DC 2 Channel Out: dry contact, 1,000mA 30V DC/500mA 50V AC	3 Channel in: wet contact, 5mA 3V~5V DC 2 Channel Out: dry contact, 1,000mA 30V DC/500mA 50V AC
Ingress Protection	IP67; IK10	IP67; IK10	IP67	IP67
Working Temperature	-30°C~+60°C (-22°F~+140°F)	-30°C~+60°C (-22°F~+140°F)	-30°C~+75°C (-22°F~+167°F)	-30°C~+75°C (-22°F~+167°F)
Power	12V DC/24V AC/PoE (802.3at), Max. 17.9W	12V DC/24V AC/PoE (802.3at), Max. 15.9W	100-240V AC, Max. 26W	100-240V AC, Max. 26W
Artificial Intelligence				
Face Detection	--	--	Supported	Supported
Face Recognition	Supported	Supported	Supported	Supported
Video Metadata	--	--	Supported	Supported
Classroom Behavior Analysis	Supported	Supported	--	--
Exam Behavior Analysis	Supported	Supported	--	--
Perimeter Protection	--	--	Supported	Supported
People Counting	--	--	Supported	Supported
Stereo Analysis	--	--	--	--
Privacy Protection	--	--	--	--
Abnormal Behavior Analysis	--	--	--	--
SMD	--	--	--	--
General Intelligence				
IVS	--	--	Abandoned object; missing object	Abandoned object; missing object

NETWORK CAMERAS

WizMind 7 Series

	Dual-Sight			
Model	IPC-MFW7849Y-Z4-T44	IPC-MFW7449Y-Z7-T44	IPC-MFW7849Y-Z4-T8A	IPC-MFW7449Y-Z7-T8A
Appearance	4K Polarlight	Polarlight	4K Polarlight	Polarlight
Image Sensor	Channel 1: 1/1.2" CMOS; Channel 2: 1/1.8" CMOS	Channel 1: 1/1.8" CMOS; Channel 2: 1/1.8" CMOS	Channel 1: 1/1.2" CMOS; Channel 2: 1/1.8" CMOS	Channel 1: 1/1.8" CMOS; Channel 2: 1/1.8" CMOS
Focal Length	Channel 1: 20mm~80mm/F1.1 Channel 2: 8mm~32mm/F1.6	Channel 1: 8mm~56mm/F1.2 Channel 2: 8mm~32mm/F1.6	Channel 1: 20mm~80mm/F1.1 Channel 2: 3.6mm×2/F1.0	Channel 1: 8mm~56mm/F1.2 Channel 2: 3.6mm×2/F1.0
FOV-H	Channel 1: 27°~9°; Channel 2: 42°~15°	Channel 1: 41°~9°; Channel 2: 42°~15°	Channel 1: 27°~9°; Channel 2: 180°	Channel 1: 41°~9°; Channel 2: 180°
Min. Illumination	Channel 1: 0.0003 lux@F1.1(Color,30 IRE) 0 lux (Illuminator on) Channel 2: 0.0005 lux@F1.6(Color,30 IRE) 0.0002 lux@F1.6(B/W,30 IRE) 0 lux (Illuminator on)	Channel 1: 0.0004 lux@F1.2(Color,30 IRE) 0.0001 lux@F1.2(B/W,30 IRE) 0 lux (Illuminator on) Channel 2: 0.0005 lux@F1.6(Color,30 IRE) 0.0002 lux@F1.6(B/W,30 IRE) 0 lux (Illuminator on)	Channel 1: 0.0003 lux@F1.1(Color,30 IRE) 0 lux (Illuminator on) Channel 2: 0.0003 lux@F1.0(Color,30 IRE) 0 lux (Illuminator on)	Channel 1: 0.0004 lux@F1.2 (Color,30 IRE) 0.0001 lux@F1.2 (B/W,30 IRE) 0 lux (Illuminator on) Channel 2: 0.0003 lux@F1.0 (Color,30 IRE) 0 lux (Illuminator on)
Day/Night	Color/B/W	Auto (ICR)/Color/B/W	Color/B/W	Auto (ICR)/Color/B/W
WDR	120dB	140dB	120dB	140dB
Illumination Distance	Channel 1: 80m (262.47ft) (warm light); Channel 2: 120m (393.70ft) (IR); 80m (262.47ft) (warm light)	Channel 1: 150m (492.13ft) (IR); 80m (262.47ft) (warm light); Channel 2: 120m (393.70ft) (IR); 80m (262.47ft) (warm light)	Channel 1: 80m (262.47ft) (warm light) Channel 2: 30m (98.43ft) (warm light)	Channel 1: 150m (492.13ft) (IR); 80m (262.47ft) (warm light); Channel 2: 30m (98.43ft) (warm light)
Video Compression	H.265; H.264; H.264H; H.264B; MJPEG (Only supported by the sub stream)	H.265; H.264; H.264H; H.264B; MJPEG (Only supported by the sub stream)	H.265; H.264; H.264H; H.264B; MJPEG (Only supported by the sub stream)	H.265; H.264; H.264H; H.264B; MJPEG (Only supported by the sub stream)
Smart Codec	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+
Max. Resolution	Channel 1: 8MP (3840×2160) Channel 2: 4MP (2688×1520)	Channel 1: 4MP (2688×1520) Channel 2: 4MP (2688×1520)	Channel 1: 8MP (3840×2160) Channel 2: 8MP (4976×1452)	Channel 1: 4MP (2688×1520) Channel 2: 8MP (4976×1452)
Frame Rate	Channel 1: 25/30fps@8MP Channel 2: 25/30fps@4MP	Channel 1: 25/30fps@4MP Channel 2: 25/30fps@4MP	Channel 1: 25/30fps@8MP Channel 2: 25/30fps@8MP	Channel 1: 25/30fps@4MP Channel 2: 25/30fps@8MP
Multi-streaming	Channel 1: 3 streams; Channel 2: 3 streams	Channel 1: 3 streams; Channel 2: 3 streams	Channel 1: 3 streams; Channel 2: 3 streams	Channel 1: 3 streams; Channel 2: 3 streams
Angle Adjustment	Channel 1: Tilt: ±5°; Channel 2: Tilt: ±15°	Channel 1: Tilt: ±5°; Pan:±13°; Channel 2: Tilt: ±15°	Channel 1: Tilt: ±5°; Channel 2: Tilt: ±15°	Channel 1: Tilt: ±5°; Pan:±13°; Channel 2: Tilt: ±15°
Compatibility	ONVIF (Profile S&G&T); CGI	ONVIF (Profile S&G&T); CGI	ONVIF (Profile S&G&T); CGI	ONVIF (Profile S&G&T); CGI
Audio In/Out	2/1	2/1	2/1	2/1
Memory Slot	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB
Alarm In/Out	7 channels in: 5mA 3V~5V DC 3 channels out: 1,000mA 30V DC/500mA 50V AC	7 channels in: 5mA 3V~5V DC 3 channels out: 1,000mA 30V DC/500mA 50V AC	7 channels in: 5mA 3V~5V DC 3 channels out: 1,000mA 30V DC/500mA 50V AC	7 channels in: 5mA 3V~5V DC 3 channels out: 1,000mA 30V DC/500mA 50V AC
Ingress Protection	IP67	IP67	IP67	IP67
Working Temperature	-40°C ~ +60°C (-40°F ~ +140°F)	-40°C ~ +60°C (-40°F ~ +140°F)	-40°C ~ +60°C (-40°F ~ +140°F)	-40°C ~ +60°C (-40°F ~ +140°F)
Power	12V DC, Max. 36.1W	12V DC, Max. 36.1W	12V DC, Max. 44.8W	12V DC, Max. 44.8W
Artificial Intelligence				
Face Detection	Channel 1: Supported; Channel 2: Supported	Channel 1: Supported; Channel 2: Supported	Channel 1: Supported	Channel 1: Supported
Face Recognition	Channel 1: Supported; Channel 2: Supported	Channel 1: Supported; Channel 2: Supported	Channel 1: Supported	Channel 1: Supported
Video Metadata	Channel 1: Supported; Channel 2: Supported	Channel 1: Supported; Channel 2: Supported	Channel 1: Supported	Channel 1: Supported
Privacy Protection	--	--	--	--
Crowd Distribution Map	Channel 2: Supported	Channel 2: Supported	Channel 2: Supported	Channel 2: Supported
Face and Body Detection	--	--	--	--
Perimeter Protection	Channel 1: Supported; Channel 2: Supported	Channel 1: Supported; Channel 2: Supported	Channel 1: Supported; Channel 2: Supported	Channel 1: Supported; Channel 2: Supported
People Counting	Channel 2: Supported	Channel 2: Supported	Channel 2: Supported	Channel 2: Supported
General Intelligence				
IVS	Abandoned object; missing object (Channel 1 & Channel 2)	Abandoned object; missing object (Channel 1 & Channel 2)	Abandoned object; missing object (Channel 1 & Channel 2)	Abandoned object; missing object (Channel 1 & Channel 2)

NETWORK CAMERAS

WizMind 7 Series

Dual-Sight

Model	IPC-MFW7842K1-Z7-T20	IPC-MFW7842K1-Z4-T20	IPC-MFW7442K1-Z7-T40	IPC-MFW7442K1-Z4-T40
Appearance	4K Starlight+	4K Starlight+	Starlight+	Starlight+
Image Sensor	Channel 1: 1/1.7" CMOS Channel 2: 1/2.7" CMOS	Channel 1: 1/1.7" CMOS Channel 2: 1/2.7" CMOS	Channel 1: 1/1.7" CMOS Channel 2: 1/2.7" CMOS	Channel 1: 1/1.7" CMOS Channel 2: 1/2.7" CMOS
Focal Length	Channel 1: 8mm~56mm/F1.2 Channel 2: 3.6mm/F1.0	Channel 1: 8mm~32mm/F1.6 Channel 2: 3.6mm/F1.0	Channel 1: 8mm~56mm/F1.2 Channel 2: 3.6mm/F1.0	Channel 1: 8mm~32mm/F1.6 Channel 2: 3.6mm/F1.0
FOV-H	Channel 1: 40°~9° Channel 2: 81°	Channel 1: 43°~15° Channel 2: 81°	Channel 1: 40°~9° Channel 2: 81°	Channel 1: 43°~15° Channel 2: 81°
Min. Illumination	Channel 1: 0.0015 lux@F1.2 (Color,30 IRE) 0.0003 lux@F1.2 (B/W,30 IRE) 0 lux (Illuminator on) Channel 2: 0.002@F1.0 lux (Color,30 IRE) 0 lux (Illuminator on)	Channel 1: 0.002 lux@F1.6 (Color,30 IRE) 0.0003 lux@F1.6 (B/W,30 IRE) 0 lux (Illuminator on) Channel 2: 0.002 lux@F1.0 (Color,30 IRE) 0 lux (Illuminator on)	Channel 1: 0.001 lux@F1.2 (Color,30 IRE) 0.0001 lux@F1.2 (B/W,30 IRE) 0 lux (Illuminator on) Channel 2: 0.002@F1.0 lux (Color,30 IRE) 0 lux (Illuminator on)	Channel 1: 0.0015 lux@F1.6 (Color,30 IRE) 0.0001 lux@F1.6 (B/W,30 IRE) 0 lux (Illuminator on) Channel 2: 0.002 lux@F1.0 (Color,30 IRE) 0 lux (Illuminator on)
Day/Night	Auto (ICR)/Color/B/W	Auto (ICR)/Color/B/W	Auto (ICR)/Color/B/W	Auto (ICR)/Color/B/W
WDR	120dB	120 dB	120 dB	120 dB
Illumination Distance	Channel 1: 120m (393.70ft) (IR) 80m (262.47ft) (warm light) Channel 2: 20 m (65.62 ft) (warm light)	Channel 1: 100m (328.08ft) (IR) 60m (196.85ft) (warm light) Channel 2: 20 m (65.62 ft) (warm light)	Channel 1: 120m (393.70ft) (IR) 80m (262.47ft) (warm light) Channel 2: 20 m (65.62 ft) (warm light)	Channel 1: 100m (328.08ft) (IR) 60m (196.85ft) (warm light) Channel 2: 20 m (65.62 ft) (warm light)
Video Compression	H.265; H.264; H.264H; H.264B; MJPEG (Only supported by the sub stream)	H.265; H.264; H.264H; H.264B; MJPEG (Only supported by the sub stream)	H.265; H.264; H.264H; H.264B; MJPEG (Only supported by the sub stream)	H.265; H.264; H.264H; H.264B; MJPEG (Only supported by the sub stream)
Smart Codec	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+
Max. Resolution	Channel 1: 8MP (3840×2160) Channel 2: 2MP (1920×1080)	Channel 1: 8MP (3840×2160) Channel 2: 2MP (1920×1080)	Channel 1: 4MP (2688×1520) Channel 2: 4MP (2688×1520)	Channel 1: 4MP (2688×1520) Channel 2: 4MP (2688×1520)
Frame Rate	Channel 1: 25/30fps@8MP Channel 2: 25/30fps@2MP	Channel 1: 25/30fps@8MP Channel 2: 25/30fps@2MP	Channel 1: 25/30fps@4MP Channel 2: 25/30fps@4MP	Channel 1: 25/30fps@4MP Channel 2: 25/30fps@4MP
Multi-streaming	Channel 1: 3 streams Channel 2: 3 streams	Channel 1: 3 streams Channel 2: 3 streams	Channel 1: 3 streams Channel 2: 3 streams	Channel 1: 3 streams Channel 2: 3 streams
Angle Adjustment	--	--	--	--
Compatibility	ONVIF (Profile S&G&T); CGI	ONVIF (Profile S&G&T); CGI	ONVIF (Profile S&G&T); CGI	ONVIF (Profile S&G&T); CGI
Audio In/Out	2/1, Built-in Dual Mic, Built-in Speaker	2/1, Built-in Dual Mic, Built-in Speaker	2/1, Built-in Dual Mic, Built-in Speaker	2/1, Built-in Dual Mic, Built-in Speaker
Memory Slot	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB
Alarm In/Out	3 channels in: 5mA 3~5V DC 2 channels out: 300mA 12V DC	3 channels in: 5mA 3~5V DC 2 channels out: 300mA 12V DC	3 channels in: 5mA 3~5V DC 2 channels out: 300mA 12V DC	3 channels in: 5mA 3~5V DC 2 channels out: 300mA 12V DC
Ingress Protection	IP67	IP67	IP67	IP67
Working Temperature	-30°C ~ +60°C (-22°F ~ +140°F)	-30°C ~ +60°C (-22°F ~ +140°F)	-30°C ~ +60°C (-22°F ~ +140°F)	-30°C ~ +60°C (-22°F ~ +140°F)
Power	12V DC/POE(802.3at), Max. 24.6W	12V DC/POE(802.3at), Max. 24.6W	12V DC/POE(802.3at), Max. 24.6W	12V DC/POE(802.3at), Max. 24.6W
Artificial Intelligence				
Face Detection	Channel 1: Supported	Channel 1: Supported	Channel 1: Supported	Channel 1: Supported
Face Recognition	Channel 1: Supported	Channel 1: Supported	Channel 1: Supported	Channel 1: Supported
Video Metadata	Channel 1: Supported	Channel 1: Supported	Channel 1: Supported	Channel 1: Supported
Perimeter Protection	Channel 1: Supported	Channel 1: Supported	Channel 1: Supported	Channel 1: Supported
People Counting	Channel 1: Supported	Channel 1: Supported	Channel 1: Supported	Channel 1: Supported
General Intelligence				
IVS	Abandoned object; missing object (Channel 1)	Abandoned object; missing object (Channel 1)	Abandoned object; missing object (Channel 1)	Abandoned object; missing object (Channel 1)

NETWORK CAMERAS

WizMind 7 Series

	Box Camera		Vari-focal Bullet			
Model	IPC-HF7842F-Z-S2	IPC-HF7442F-Z-S2	IPC-HFW7842H-Z-S2	IPC-HFW7842H-Z4-S2	IPC-HFW7442H-Z-S2	IPC-HFW7442H-Z4-S2
Appearance	4K Starlight	Starlight+	4K Starlight+	4K Starlight	Starlight+	Starlight+
Image Sensor	1/1.8" 8MP CMOS	1/1.8" 4MP CMOS	1/1.8" 8MP CMOS	1/1.8" 8MP CMOS	1/1.8" 4MP CMOS	1/1.8" 4MP CMOS
Focal Length	C/CS	C/CS	2.7mm~12mm/F1.2	8mm~32mm/F1.6	2.7mm~12mm/F1.2	8mm~32mm/F1.6
FOV-H	--	--	112°~47°	40°~15°	114°~48°	41°~15°
Min. Illumination	0.005 Lux@F1.5 (Color, 30 IRE) 0.0005 Lux@F1.5 (B/W, 30 IRE)	0.001 Lux@F1.5 (Color, 30 IRE) 0.0002 Lux@F1.5 (B/W, 30 IRE)	0.003 lux@F1.2 (Color, 30 IRE) 0.0003 lux@F1.2 (B/W, 30 IRE) 0 lux (Illuminator on)	0.005 lux@F1.6 (Color, 30 IRE) 0.0005 lux@F1.6 (B/W, 30 IRE) 0 lux (Illuminator on)	0.001 Lux@F1.2 (Color, 30 IRE) 0.0002 Lux@F1.2 (B/W, 30 IRE) 0 Lux (Illuminator on)	0.001 lux@F1.6 (Color, 30 IRE) 0.0002 lux@F1.6 (B/W, 30 IRE) 0 lux (Illuminator on)
Day/Night	Auto (ICR)/Color/B/W	Auto (ICR)/Color/B/W	Auto (ICR)/Color/B/W	Auto (ICR)/Color/B/W	Auto (ICR)/Color/B/W	Auto (ICR)/Color/B/W
WDR	120dB	140dB	120dB	120dB	140dB	140dB
Illumination Distance	--	--	60m (196.9 ft) (IR)	120m (393.7ft) (IR)	60m (196.9 ft) (IR)	120m (393.7ft) (IR)
Video Compression	H.265; H.264; H.264H; MJPEG (only supported by the sub stream)	H.265; H.264; H.264H; MJPEG (only supported by the sub stream)	H.265; H.264; H.264H; MJPEG (only supported by the sub stream)	H.265; H.264; H.264H; MJPEG (only supported by the sub stream)	H.265; H.264; H.264H; MJPEG (only supported by the sub stream)	H.265; H.264; H.264H; MJPEG (only supported by the sub stream)
Smart Codec	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+
Max. Resolution	8MP (3840×2160)	4MP (2688×1520)	8MP (3840×2160)	8MP (3840×2160)	4MP (2688×1520)	4MP (2688×1520)
Frame Rate	25/30fps@8MP	50/60fps@4MP	25/30fps@8MP	25/30fps@8MP	50/60fps@4MP	50/60fps@4MP
Multi-streaming	5 streams	5 streams	5 streams	5 streams	5 streams	5 streams
Angle Adjustment	--	--	Pan:0°~360°; Tilt:0°~90°; Rotation:0°~360°	Pan:0°~360°; Tilt:0°~90°; Rotation:0°~360°	Pan:0°~360°; Tilt:0°~90°; Rotation:0°~360°	Pan:0°~360°; Tilt:0°~90°; Rotation:0°~360°
Compatibility	ONVIF (Profile S&G&T); CGI	ONVIF (Profile S&G&T); CGI	ONVIF (Profile S&G&T); CGI	ONVIF (Profile S&G&T); CGI	ONVIF (Profile S&G&T); CGI	ONVIF (Profile S&G&T); CGI
Audio In/Out	2/1, Built-in Mic	2/1, Built-in Mic	1/1	1/1	1/1	1/1
Memory Slot	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB
Alarm In/Out	2 channels in: 5mA 5V DC 2 channels out: 1000mA 30V DC/500mA 50V AC	2 channels in: 5mA 5V DC 2 channels out: 1000mA 30V DC/500mA 50V AC	3 channels in: 5mA 5V DC 2 channels out: 1000mA 30V DC/500mA 50V AC	3 channels in: 5mA 5V DC 2 channels out: 1000mA 30V DC/500mA 50V AC	3 channels in: 5mA 5V DC 2 channels out: 1000mA 30V DC/500mA 50V AC	3 channels in: 5mA 5V DC 2 channels out: 1000mA 30V DC/500mA 50V AC
Ingress Protection	--	--	IP67, IK10, Anti-Corrosion Protection: NEMA 4X (optional)	IP67, IK10, Anti-Corrosion Protection: NEMA 4X (optional)	IP67, IK10, Anti-Corrosion Protection: NEMA 4X (optional)	IP67, IK10, Anti-Corrosion Protection: NEMA 4X (optional)
Working Temperature	-30°C ~ +60°C (-22°F ~ +140°F)	-30°C ~ +60°C (-22°F ~ +140°F)	-40°C ~ +65°C (-40°F ~ +149°F)	-40°C ~ +65°C (-40°F ~ +149°F)	-40°C ~ +65°C (-40°F ~ +149°F)	-40°C ~ +65°C (-40°F ~ +149°F)
Power	12V DC/24V AC/POE+(802.3at), Max. 17.75W	12V DC/24V AC/POE+(802.3at), Max. 17.75W	12V DC/24V AC/POE+(802.3at), Max. 21.3W	12V DC/24V AC/POE+(802.3at), Max. 21.3W	12V DC/24V AC/POE+(802.3at), Max. 21.3W	12V DC/24V AC/POE+(802.3at), Max. 21.3W
Artificial Intelligence						
Face Detection	Supported	Supported	Supported	Supported	Supported	Supported
Face Recognition	Supported	Supported	Supported	Supported	Supported	Supported
Video Metadata	Supported	Supported	Supported	Supported	Supported	Supported
Privacy Protection	--	Supported	--	--	Supported	Supported
Crowd Distribution Map	--	--	--	--	--	--
Face and Body Detection	Supports General mode and PPE detection					
Perimeter Protection	Intrusion, tripwire, fast moving (the three functions support the classification and accurate detection of vehicle and human targets); loitering detection, people gathering, and parking detection					
People Counting	Supported	Supported	Supported	Supported	Supported	Supported
General Intelligence						
IVS	Abandoned object; missing object	Abandoned object; missing object	Abandoned object; missing object	Abandoned object; missing object	Abandoned object; missing object	Abandoned object; missing object

NETWORK CAMERAS

WizMind 7 Series

Vari-focal Dome

Model	IPC-HDBW7842H-Z-S2	IPC-HDBW7842H-Z4-S2	IPC-HDBW7442H-Z-S2	IPC-HDBW7442H-Z4-S2
Appearance	WizMind 4K Starlight+	WizMind 4K Starlight	WizMind Starlight+	WizMind Starlight+
Image Sensor	1/1.8" 8MP CMOS	1/1.8" 8MP CMOS	1/1.8" 4MP CMOS	1/1.8" 4MP CMOS
Focal Length	2.7mm~12mm/F1.2	8mm~32mm/F1.6	2.7mm~12mm/F1.2	8mm~32mm/F1.6
FOV-H	112°~47°	40°~15°	114°~48°	41°~15°
Min. Illumination	0.003 lux@F1.2 (Color, 30 IRE) 0.0003 lux@F1.2 (B/W, 30 IRE) 0 lux (Illuminator on)	0.005 Lux@F1.6 (Color, 30 IRE) 0.0005 Lux@F1.6 (B/W, 30 IRE) 0 Lux (Illuminator on)	0.001 lux@F1.2 (Color, 30 IRE) 0.0002 lux@F1.2 (B/W, 30 IRE) 0 lux (Illuminator on)	0.001 lux@F1.6 (Color, 30 IRE) 0.0002 lux@F1.6 (B/W, 30 IRE) 0 lux (Illuminator on)
Day/Night	Auto (ICR)/Color/B/W	Auto (ICR)/Color/B/W	Auto (ICR)/Color/B/W	Auto (ICR)/Color/B/W
WDR	120dB	120dB	140dB	140dB
Illumination Distance	40m (131.23ft) (IR)	80m (262.5ft) (IR)	40m(131.23 ft) (IR)	80m (262.5 ft) (IR)
Video Compression	H.265; H.264; H.264H; MJPEG (only supported by the sub stream)	H.265; H.264; H.264H; MJPEG (only supported by the sub stream)	H.265; H.264; H.264H; MJPEG (only supported by the sub stream)	H.265; H.264; H.264H; MJPEG (only supported by the sub stream)
Smart Codec	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+
Max. Resolution	8MP (3840×2160)	8MP (3840×2160)	4MP (2688×1520)	4MP (2688×1520)
Frame Rate	25/30fps@8MP	25/30fps@8MP	50/60fps@4MP	50/60fps@4MP
Multi-streaming	5 streams	5 streams	5 streams	5 streams
Angle Adjustment	Pan:0°~355°; Tilt:0°~80°; Rotation:0°~355°	Pan:0°~355°; Tilt:0°~80°; Rotation:0°~355°	Pan:0°~355°; Tilt:0°~80°; Rotation:0°~355°	Pan:0°~355°; Tilt:0°~80°; Rotation:0°~355°
Compatibility	ONVIF (Profile S&G&T); CGI	ONVIF (Profile S&G&T); CGI	ONVIF (Profile S&G&T); CGI	ONVIF (Profile S&G&T), CGI; SDK
Audio In/Out	1/1	1/1	1/1	1/1
Memory Slot	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB
Alarm In/Out	3 channels in: 5mA 5V DC 2 channels out: 1000mA 30V DC/500mA 50V AC	3 channels in: 5mA 5V DC 2 channels out: 1000mA 30V DC/500mA 50V AC	3 channels in: 5mA 5V DC 2 channels out: 1000mA 30V DC/500mA 50V AC	3 channels in: 5mA 5V DC 2 channels out: 1000mA 30V DC/500mA 50V AC
Ingress Protection	IP67, IK10, Anti-Corrosion Protection: NEMA 4X (optional)	IP67, IK10, Anti-Corrosion Protection: NEMA 4X (optional)	IP67, IK10, Anti-Corrosion Protection: NEMA 4X (optional)	IP67, IK10, Anti-Corrosion Protection: NEMA 4X (optional)
Working Temperature	-40°C ~ +65°C (-40°F ~ +149°F)	-40°C ~ +65°C (-40°F ~ +149°F)	-40°C ~ +65°C (-40°F ~ +149°F)	-40°C ~ +65°C (-40°F ~ +149°F)
Power	12V DC/24V AC/POE+(802.3at), Max. 22.82W	12V DC/24V AC/POE+(802.3at), Max. 22.82W	12V DC/24V AC/POE+(802.3at), Max. 22.38W	12V DC/24V AC/POE+(802.3at), Max. 22.38W
Artificial Intelligence				
Face Detection	Supported	Supported	Supported	Supported
Face Recognition	Supported	Supported	Supported	Supported
Video Metadata	Supported	Supported	Supported	Supported
Privacy Protection	--	--	Supported	Supported
Crowd Distribution Map	--	--	--	--
Face and Body Detection	Supports General mode and PPE detection			
Perimeter Protection	Intrusion, tripwire, fast moving (the three functions support the classification and accurate detection of vehicle and human targets); loitering detection, people gathering, and parking detection			
People Counting	Supported	Supported	Supported	Supported
General Intelligence				
IVS	Abandoned object; missing object	Abandoned object; missing object	Abandoned object; missing object	Abandoned object; missing object

WizMind

Innovative, Breakthrough, Powerful

- 10+ AI Algorithms
- AI-Powered Image
- Privacy Protection+
- Intelligent Audiovisual

NETWORK CAMERAS

WizMind X Series

	Box Camera		
Model	IPC-HF71242F-Z-X	IPC-HF7842F-Z-X	IPC-HF7442F-Z-X
Appearance			
Image Sensor	1/1.7" 12MP CMOS	1/1.8" 8MP CMOS	1/1.8" 4MP CMOS
Focal Length	C/CS	C/CS	C/CS
FOV-H	--	--	--
Min. Illumination	0.0009 Lux@F1.6 (Color, 30 IRE) 0.0005 Lux@F1.6 (B/W, 30 IRE)	0.0006 Lux@F1.2 (Color, 30 IRE) 0.0003 Lux@F1.2 (Color, 30 IRE)	0.0005 Lux@F1.2 (Color, 30 IRE) 0.0002 Lux@F1.2 (Color, 30 IRE)
Day/Night	Auto (ICR)/Color/B/W	Auto (ICR)/Color/B/W	Auto (ICR)/Color/B/W
WDR	DWDR	120dB	140dB
Illumination Distance	--	--	--
Video Compression	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)
Smart Codec	Supported	Supported	Supported
Max. Resolution	12MP (4000×3000)	8MP (3840×2160)	4MP (2688×1520)
Frame Rate	25/30fps@12MP	50/60fps@8MP	50/60fps@4MP
Multi-streaming	5 streams	5 streams	5 streams
Angle Adjustment	--	--	--
Compatibility	ONVIF (Profile S&G&T); CGI	ONVIF (Profile S&G&T); CGI	ONVIF (Profile S&G&T); CGI
Audio In/Out	2/1, Built-in Mic	2/1, Built-in Mic	2/1, Built-in Mic
Memory Slot	Micro SD, Max. 512GB	Micro SD, Max. 512GB	Micro SD, Max. 512GB
Alarm In/Out	2 channels in: 5mA 5V DC 2 channels out: 1000mA 30V DC/500mA 50V AC	2 channels in: 5mA 5V DC 2 channels out: 1000mA 30V DC/500mA 50V AC	2 channels in: 5mA 5V DC 2 channels out: 1000mA 30V DC/500mA 50V AC
Ingress Protection	--	--	--
Working Temperature	-30°C ~ +60°C (-22°F ~ +140°F)	-30°C ~ +60°C (-22°F ~ +140°F)	-30°C ~ +60°C (-22°F ~ +140°F)
Power	12V DC/24V AC/POE+(802.3at)/ePoE, Max. 17.1W	12V DC/24V AC/POE+(802.3at)/ePoE, Max. 17.1W	12V DC/24V AC/POE+(802.3at)/ePoE, Max. 17.1W
Artificial Intelligence			
Face Detection	Supported	Supported	Supported
Face Recognition	Supported	Supported	Supported
Video Metadata	Supported	Supported	Supported
Privacy Protection	--	Supported	Supported
ANPR	Supported	Supported	Supported
Parking Space Management	Supported	Supported	Supported
PPE Detection	Supported	Supported	Supported
Perimeter Protection	Intrusion, tripwire, fast moving (the three functions support the classification and accurate detection of vehicle and human targets); loitering detection, people gathering, and parking detection		
People Counting & Heat Map	Supported	Supported	Supported
EPTZ	Supported	Supported	--
Sound Management	--	--	--
General Intelligence			
IVS	Abandoned object; missing object	Abandoned object; missing object	Abandoned object; missing object

ePoE • Extended PoE transmission: 800m, 10Mbps, 13w or 300m, 100Mbps, 25.4w

NETWORK CAMERAS

WizMind X Series

	Vari-focal Bullet				
Model	IPC-HFW71242H-Z-X	IPC-HFW7842H-Z-X	IPC-HFW7842H-Z4-X	IPC-HFW7442H-Z-X	IPC-HFW7442H-Z4-X
Appearance					
Image Sensor	1/1.7" 12MP CMOS	1/1.8" 8MP CMOS	1/1.8" 8MP CMOS	1/1.8" 4MP CMOS	1/1.8" 4MP CMOS
Focal Length	2.7mm~12mm/F1.6	2.7mm~12mm/F1.2	8mm~32mm/F1.6	2.7mm~12mm/F1.2	8mm~32mm/F1.6
FOV-H	106°~45°	105°~48°	42°~15°	107°~48°	43°~15°
Min. Illumination	0.0009 Lux@F1.6 (Color, 30 IRE) 0.0005 Lux@F1.6 (B/W, 30 IRE) 0 lux (Illuminator on)	0.0006 Lux@F1.2 (Color, 30 IRE) 0.0003 Lux@F1.2 (Color, 30 IRE) 0 lux (Illuminator on)	0.0007 Lux@F1.6 (Color, 30 IRE) 0.0004 Lux@F1.6 (Color, 30 IRE) 0 lux (Illuminator on)	0.0005 Lux@F1.2 (Color, 30 IRE) 0.0002 Lux@F1.2 (Color, 30 IRE) 0 lux (Illuminator on)	0.0006 Lux@F1.6 (Color, 30 IRE) 0.0003 Lux@F1.6 (Color, 30 IRE) 0 lux (Illuminator on)
Day/Night	Auto (ICR)/Color/B/W	Auto (ICR)/Color/B/W	Auto (ICR)/Color/B/W	Auto (ICR)/Color/B/W	Auto (ICR)/Color/B/W
WDR	DWDR	120dB	120dB	140dB	140dB
Illumination Distance	60m (196.9 ft) (IR)	60m (196.9 ft) (IR)	120m (393.7ft) (IR)	60m (196.9 ft) (IR)	120m (393.7ft) (IR)
Video Compression	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)
Smart Codec	Supported	Supported	Supported	Supported	Supported
Max. Resolution	12MP (4000×3000)	8MP (3840×2160)	8MP (3840×2160)	4MP (2688×1520)	4MP (2688×1520)
Frame Rate	25/30fps@12MP	50/60fps@8MP	50/60fps@8MP	50/60fps@4MP	50/60fps@4MP
Multi-streaming	5 streams	5 streams	5 streams	5 streams	5 streams
Angle Adjustment	Pan:0°~360°; Tilt:0°~90°; Rotation:0°~360°	Pan:0°~360°; Tilt:0°~90°; Rotation:0°~360°	Pan:0°~360°; Tilt:0°~90°; Rotation:0°~360°	Pan:0°~360°; Tilt:0°~90°; Rotation:0°~360°	Pan:0°~360°; Tilt:0°~90°; Rotation:0°~360°
Compatibility	ONVIF (Profile S&G&T); CGI	ONVIF (Profile S&G&T); CGI	ONVIF (Profile S&G&T); CGI	ONVIF (Profile S&G&T); CGI	ONVIF (Profile S&G&T); CGI
Audio In/Out	1/1	1/1	1/1	1/1	1/1
Memory Slot	Micro SD, Max. 512GB	Micro SD, Max. 512GB	Micro SD, Max. 512GB	Micro SD, Max. 512GB	Micro SD, Max. 512GB
Alarm In/Out	3 channels in: 5mA 5V DC 2 channels out: 1000mA 30V DC/500mA 50V AC	3 channels in: 5mA 5V DC 2 channels out: 1000mA 30V DC/500mA 50V AC	3 channels in: 5mA 5V DC 2 channels out: 1000mA 30V DC/500mA 50V AC	3 channels in: 5mA 5V DC 2 channels out: 1000mA 30V DC/500mA 50V AC	3 channels in: 5mA 5V DC 2 channels out: 1000mA 30V DC/500mA 50V AC
Ingress Protection	IP67; IK10; Anti-Corrosion (optional)	IP67; IK10; Anti-Corrosion (optional)	IP67; IK10; Anti-Corrosion (optional)	IP67; IK10; Anti-Corrosion (optional)	IP67; IK10; Anti-Corrosion (optional)
Working Temperature	-40°C ~ +65°C (-40°F ~ +149°F)	-40°C ~ +65°C (-40°F ~ +149°F)	-40°C ~ +65°C (-40°F ~ +149°F)	-40°C ~ +65°C (-40°F ~ +149°F)	-40°C ~ +65°C (-40°F ~ +149°F)
Power	12V DC/24V AC/POE+(802.3at)/ePoE, Max. 24.3W	12V DC/24V AC/POE+(802.3at)/ePoE, Max. 24.3W	12V DC/24V AC/POE+(802.3at)/ePoE, Max. 24.3W	12V DC/24V AC/POE+(802.3at)/ePoE, Max. 24.3W	12V DC/24V AC/POE+(802.3at)/ePoE, Max. 24.3W
Artificial Intelligence					
Face Detection	Supported	Supported	Supported	Supported	Supported
Face Recognition	Supported	Supported	Supported	Supported	Supported
Video Metadata	Supported	Supported	Supported	Supported	Supported
Privacy Protection	--	Supported	Supported	Supported	Supported
ANPR	Supported	Supported	Supported	Supported	Supported
Parking Space Management	Supported	Supported	Supported	Supported	Supported
PPE Detection	Supported	Supported	Supported	Supported	Supported
Perimeter Protection	Intrusion, tripwire, fast moving (the three functions support the classification and accurate detection of vehicle and human targets); loitering detection, people gathering, and parking detection				
People Counting & Heat Map	Supported	Supported	Supported	Supported	Supported
EPTZ	Supported	Supported	Supported	--	--
Sound Management	--	--	--	--	--
General Intelligence					
IVS	Abandoned object; missing object	Abandoned object; missing object	Abandoned object; missing object	Abandoned object; missing object	Abandoned object; missing object

ePoE • Extended PoE transmission: 800m, 10Mbps, 13w or 300m, 100Mbps, 25.4w

NETWORK CAMERAS

WizMind X Series

	Vari-focal Dome				
Model	IPC-HDBW71242E1-Z-X	IPC-HDBW7842E1-Z-X	IPC-HDBW7842E1-Z4-X	IPC-HDBW7442E1-Z-X	IPC-HDBW7442E1-Z4-X
Appearance					
Image Sensor	1/1.7" 12MP CMOS	1/1.8" 8MP CMOS	1/1.8" 8MP CMOS	1/1.8" 4MP CMOS	1/1.8" 4MP CMOS
Focal Length	2.7mm~12mm/F1.6	2.7mm~12mm/F1.2	8mm~32mm/F1.6	2.7mm~12mm/F1.2	8mm~32mm/F1.6
FOV-H	106°~45°	105°~48°	42°~15°	107°~48°	43°~15°
Min. Illumination	0.0009 Lux@F1.6 (Color, 30 IRE) 0.0005 Lux@F1.6 (B/W, 30 IRE) 0 lux (Illuminator on)	0.0006 Lux@F1.2 (Color, 30 IRE) 0.0003 Lux@F1.2 (Color, 30 IRE) 0 lux (Illuminator on)	0.0007 Lux@F1.6 (Color, 30 IRE) 0.0004 Lux@F1.6 (Color, 30 IRE) 0 lux (Illuminator on)	0.0005 Lux@F1.2 (Color, 30 IRE) 0.0002 Lux@F1.2 (Color, 30 IRE) 0 lux (Illuminator on)	0.0006 Lux@F1.6 (Color, 30 IRE) 0.0003 Lux@F1.6 (Color, 30 IRE) 0 lux (Illuminator on)
Day/Night	Auto (ICR)/Color/B/W	Auto (ICR)/Color/B/W	Auto (ICR)/Color/B/W	Auto (ICR)/Color/B/W	Auto (ICR)/Color/B/W
WDR	DWDR	120dB	120dB	140dB	140dB
Illumination Distance	40m (131.23ft) (IR)	40m (131.23ft) (IR)	80m (262.5ft) (IR)	40m (131.23 ft) (IR)	80 m (262.5 ft) (IR)
Video Compression	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)
Smart Codec	Supported	Supported	Supported	Supported	Supported
Max. Resolution	12MP (4000×3000)	8MP (3840×2160)	8MP (3840×2160)	4MP (2688×1520)	4MP (2688×1520)
Frame Rate	25/30fps@12MP	50/60fps@8MP	50/60fps@8MP	50/60fps@4MP	50/60fps@4MP
Multi-streaming	5 streams	5 streams	5 streams	5 streams	5 streams
Angle Adjustment	Pan:0°~355°; Tilt:0°~80°; Rotation:0°~355°	Pan:0°~355°; Tilt:0°~90°; Rotation:0°~355°	Pan:0°~355°; Tilt:0°~90°; Rotation:0°~355°	Pan:0°~355°; Tilt:0°~90°; Rotation:0°~355°	Pan:0°~355°; Tilt:0°~90°; Rotation:0°~355°
Compatibility	ONVIF (Profile S&G&T); CGI	ONVIF (Profile S&G&T); CGI	ONVIF (Profile S&G&T); CGI	ONVIF (Profile S&G&T); CGI	ONVIF (Profile S&G&T); CGI
Audio In/Out	1/1, Built-in dual MIC , Bulit-in Speaker	1/1, Built-in dual MIC , Bulit-in Speaker	1/1, Built-in dual MIC , Bulit-in Speaker	1/1, Built-in dual MIC , Bulit-in Speaker	1/1, Built-in dual MIC , Bulit-in Speaker
Memory Slot	Micro SD, Max. 512GB	Micro SD, Max. 512GB	Micro SD, Max. 512GB	Micro SD, Max. 512GB	Micro SD, Max. 512GB
Alarm In/Out	3 channels in: 5mA 5V DC 2 channels out: 1000mA 30V DC/500mA 50V AC	3 channels in: 5mA 5V DC 2 channels out: 1000mA 30V DC/500mA 50V AC	3 channels in: 5mA 5V DC 2 channels out: 1000mA 30V DC/500mA 50V AC	3 channels in: 5mA 5V DC 2 channels out: 1000mA 30V DC/500mA 50V AC	3 channels in: 5mA 5V DC 2 channels out: 1000mA 30V DC/500mA 50V AC
Ingress Protection	IP67; IK10; Anti-Corrosion (optional)	IP67; IK10; Anti-Corrosion (optional)	IP67; IK10; Anti-Corrosion (optional)	IP67; IK10; Anti-Corrosion (optional)	IP67; IK10; Anti-Corrosion (optional)
Working Temperature	-40°C ~ +65°C (-40°F ~ +149°F)	-40°C ~ +65°C (-40°F ~ +149°F)	-40°C ~ +65°C (-40°F ~ +149°F)	-40°C ~ +65°C (-40°F ~ +149°F)	-40°C ~ +65°C (-40°F ~ +149°F)
Power	12V DC/24V AC/POE+(802.3at)/ePoE, Max. 25.2W	12V DC/24V AC/POE+(802.3at)/ePoE, Max. 25.2W	12V DC/24V AC/POE+(802.3at)/ePoE, Max. 25.2W	12V DC/24V AC/POE+(802.3at)/ePoE, Max. 25.2W	12V DC/24V AC/POE+(802.3at)/ePoE, Max. 25.2W
Artificial Intelligence					
Face Detection	Supported	Supported	Supported	Supported	Supported
Face Recognition	Supported	Supported	Supported	Supported	Supported
Video Metadata	Supported	Supported	Supported	Supported	Supported
Privacy Protection	--	Supported	Supported	Supported	Supported
ANPR	Supported	Supported	Supported	Supported	Supported
Parking Space Management	Supported	Supported	Supported	Supported	Supported
PPE Detection	Supported	Supported	Supported	Supported	Supported
Perimeter Protection	Intrusion, tripwire, fast moving (the three functions support the classification and accurate detection of vehicle and human); loitering detection, people gathering, and parking detection				
People Counting & Heat Map	Supported	Supported	Supported	Supported	Supported
EPTZ	Supported	Supported	Supported	--	--
Sound Management	Supports non-human voice filtering, human voice enhancement				
General Intelligence					
IVS	Abandoned object; missing object	Abandoned object; missing object	Abandoned object; missing object	Abandoned object; missing object	Abandoned object; missing object

ePoE • Extended PoE transmission: 800m, 10Mbps, 13w or 300m, 100Mbps, 25.4w

Wiz Mind S

SMARTER VISION, STRONGER SHIELD

- AI-Powered Image
- Deeplight
- Video Metadata
- Perimeter Protection

NETWORK CAMERAS

WizMind S Series

Junction Box Housing

Model	IPC-HFW5842H-ZHE	IPC-HFW5842H-Z4HE	IPC-HFW5442H-ZHE	IPC-HFW5442H-Z4HE
Appearance				
Image Sensor	1/1.8"8MP CMOS	1/1.8"8MP CMOS	1/1.8"4MP CMOS	1/1.8"4MP CMOS
Focal Length	2.7~12mm motorized lens	8~32mm motorized lens	2.7~12mm motorized lens	8~32mm motorized lens
FOV-H	112°~48°	42°~15°	114°~48°	43°~15°
Min. Illumination	0.0007 lux@F1.2 (Color, 30 IRE) 0.0003 lux@F1.2 (B/W, 30 IRE) 0 lux (Illuminator on)	0.0008 lux@F1.6 (Color, 30 IRE) 0.0004 lux@F1.6 (B/W, 30 IRE) 0 lux (Illuminator on)	0.0006 Lux@F1.2 (Color, 30 IRE) 0.0003 Lux@F1.2 (B/W, 30 IRE) 0 lux (Illuminator on)	0.0007 Lux@F1.6 (Color, 30 IRE) 0.0004 Lux@F1.6 (B/W, 30 IRE) 0 lux (Illuminator on)
Day/Night	Auto (ICR)/Color/B/W	Auto (ICR)/Color/B/W	Auto (ICR)/Color/B/W	Auto (ICR)/Color/B/W
WDR	120dB	120dB	140dB	140dB
Illumination Distance	60m (196.85ft) (IR)	120m (393.7ft) (IR)	60m (196.85ft) (IR)	120m (393.7ft) (IR)
Video Compression	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)
Smart Codec	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+
Max. Resolution	8MP (3840×2160)	8MP (3840×2160)	4MP (2688×1520)	4MP (2688×1520)
Frame Rate	25/30fps@8MP	25/30fps@8MP	25/30fps@4MP	25/30fps@4MP
Multi-streaming	4 streams	4 streams	4 streams	4 streams
Angle Adjustment	Pan: 0°~360°; Tilt: 0°~90°; Rotation:0°~360°	Pan: 0°~360°; Tilt: 0°~90°; Rotation:0°~360°	Pan: 0°~360°; Tilt: 0°~90°; Rotation:0°~360°	Pan: 0°~360°; Tilt: 0°~90°; Rotation:0°~360°
Compatibility	ONVIF (Profile S&G&T); CGI	ONVIF (Profile S&G&T); CGI	ONVIF (Profile S&G&T); CGI	ONVIF (Profile S&G&T); CGI
Audio In/Out	1/1; Built-in Dual Mic	1/1; Built-in Dual Mic	1/1; Built-in Dual Mic	1/1; Built-in Dual Mic
Memory Slot	Micro SD, Max. 512GB	Micro SD, Max. 512GB	Micro SD, Max. 512GB	Micro SD, Max. 512GB
Alarm In/Out	3 channels in: wet contact, 5mA 3V–5V DC 2 channels out: dry contact, 1,000 mA 30V DC/500mA 50V AC	3 channels in: wet contact, 5mA 3V–5V DC 2 channels out: dry contact, 1,000 mA 30V DC/500mA 50V AC	3 channels in: wet contact, 5mA 3V–5V DC 2 channels out: dry contact, 1,000 mA 30V DC/500mA 50V AC	3 channels in: wet contact, 5mA 3V–5V DC 2 channels out: dry contact, 1,000 mA 30V DC/500mA 50V AC
Ingress Protection	IP67; IK10; Anti-Corrosion Protection (optional)	IP67; IK10; Anti-Corrosion Protection (optional)	IP67; IK10; Anti-Corrosion Protection (optional)	IP67; IK10; Anti-Corrosion Protection (optional)
Working Temperature	-40°C ~+60°C (-40 °F~+140 °F)	-40°C ~+60°C (-40 °F~+140 °F)	-40°C ~+60°C (-40 °F~+140 °F)	-40°C ~+60°C (-40 °F~+140 °F)
Power	12V DC/24V AC/PoE (802.3at)/ePoE, Max. 16.9W	12V DC/24V AC/PoE (802.3at)/ePoE, Max. 16.7W	12V DC/24V AC/PoE (802.3at)/ePoE, Max. 16.1W	12V DC/24V AC/PoE (802.3at)/ePoE, Max. 16.4W
Artificial Intelligence				
Video Metadata	Supported	Supported	Supported	Supported
AcuPick	Supported	Supported	Supported	Supported
Perimeter Protection	Intrusion, tripwire, fast moving (the three functions support the classification and accurate detection of vehicle and human targets); loitering detection, people gathering, and parking detection			
People Counting	Supported	Supported	Supported	Supported
Smart Object Detection	Supported	Supported	Supported	Supported
Smart Sound Detection	Can detect and identify the sound of screams, glass breaking, and more			
Heat Map	Supported	Supported	Supported	Supported
Face Detection	Supported	Supported	Supported	Supported
EPTZ	Supported	Supported	--	--
SMD	Supported	Supported	Supported	Supported

ePoE • Extended PoE transmission: 800m, 10Mbps, 13w or 300m, 100Mbps, 25.4w

NETWORK CAMERAS

WizMind S Series

Junction Box Housing

Model	IPC-HDBW5842H-ZHE	IPC-HDBW5842H-Z4HE	IPC-HDBW5442H-ZHE	IPC-HDBW5442H-Z4HE
Appearance				
Image Sensor	1/1.8" 8MP CMOS	1/1.8"8MP CMOS	1/1.8"4MP CMOS	1/1.8"4MP CMOS
Focal Length	2.7~12mm motorized lens	8~32mm motorized lens	2.7~12mm motorized lens	8~32mm motorized lens
FOV-H	114°~48°	42°~15°	114°~48°	43°~15°
Min. Illumination	0.0007 lux@F1.2 (Color, 30 IRE) 0.0003 lux@F1.2 (B/W, 30 IRE) 0 lux (Illuminator on)	0.0008 lux@F1.6 (Color, 30 IRE) 0.0004 lux@F1.6 (B/W, 30 IRE) 0 lux (Illuminator on)	0.0006 lux@F1.2 (Color, 30 IRE) 0.0003 lux@F1.2 (B/W, 30 IRE) 0 lux (Illuminator on)	0.0007 Lux@F1.6 (Color, 30 IRE) 0.0004 Lux@F1.6 (B/W, 30 IRE) 0 lux (Illuminator on)
Day/Night	Auto (ICR)/Color/B/W	Auto (ICR)/Color/B/W	Auto (ICR)/Color/B/W	Auto (ICR)/Color/B/W
WDR	120dB	120dB	140dB	140dB
Illumination Distance	40m (131.23ft) (IR)	80m (262.47ft) (IR)	40m (131.23ft) (IR)	80m (262.47ft) (IR)
Video Compression	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)
Smart Codec	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+
Max. Resolution	8MP (3840×2160)	8MP (3840×2160)	4MP (2688×1520)	4MP (2688×1520)
Frame Rate	25/30fps@8MP	25/30fps@8MP	25/30fps@4MP	25/30fps@4MP
Multi-streaming	4 streams	4 streams	4 streams	4 streams
Angle Adjustment	Pan: 0°~355°; Tilt: 0°~80°; Rotation: 0°~355°	Pan: 0°~355°; Tilt: 0°~80°; Rotation: 0°~355°	Pan: 0°~355°; Tilt: 0°~80°; Rotation: 0°~355°	Pan: 0°~355°; Tilt: 0°~80°; Rotation: 0°~355°
Compatibility	ONVIF (Profile S&G&T); CGI	ONVIF (Profile S&G&T); CGI	ONVIF (Profile S&G&T); CGI	ONVIF (Profile S&G&T); CGI
Audio In/Out	1/1; Built-in Dual Mic	1/1; Built-in Dual Mic	1/1; Built-in Dual Mic	1/1; Built-in Dual Mic
Memory Slot	Micro SD, Max. 512GB	Micro SD, Max. 512GB	Micro SD, Max. 512GB	Micro SD, Max. 512GB
Alarm In/Out	3 channels in: wet contact, 5mA 3V–5V DC 2 channels out: dry contact, 1,000 mA 30V DC/500mA 50V AC	3 channels in: wet contact, 5mA 3V–5V DC 2 channels out: dry contact, 1,000 mA 30V DC/500mA 50V AC	3 channels in: wet contact, 5mA 3V–5V DC 2 channels out: dry contact, 1,000 mA 30V DC/500mA 50V AC	3 channels in: wet contact, 5mA 3V–5V DC 2 channels out: dry contact, 1,000 mA 30V DC/500mA 50V AC
Ingress Protection	IP67, IK10	IP67, IK10	IP67, IK10	IP67, IK10
Working Temperature	-40°C~+60°C (-40 °F~+140 °F)	-40°C~+60°C (-40 °F~+140 °F)	-40°C~+60°C (-40 °F~+140 °F)	-40°C~+60°C (-40 °F~+140 °F)
Power	12V DC/24V AC/PoE (802.3at)/ePoE, Max. 16.4W	12V DC/24V AC/PoE (802.3at)/ePoE, Max. 15.8W	12V DC/24V AC/PoE (802.3at)/ePoE, Max. 15.9W	12V DC/24V AC/PoE (802.3at)/ePoE, Max. 15.2W
Artificial Intelligence				
Video Metadata	Supported	Supported	Supported	Supported
AcuPick	Supported	Supported	Supported	Supported
Perimeter Protection	Intrusion, tripwire, fast moving (the three functions support the classification and accurate detection of vehicle and human targets); loitering detection, people gathering, and parking detection			
People Counting	Supported	Supported	Supported	Supported
Smart Object Detection	Supported	Supported	Supported	Supported
Smart Sound Detection	Can detect and identify the sound of screams, glass breaking, and more			
Heat Map	Supported	Supported	Supported	Supported
Face Detection	Supported	Supported	Supported	Supported
EPTZ	Supported	Supported	--	--
SMD	Supported	Supported	Supported	Supported

ePoE • Extended PoE transmission: 800m, 10Mbps, 13w or 300m, 100Mbps, 25.4w

NETWORK CAMERAS

WizMind S Series

Box Camera

Model	IPC-HF5842F-ZE	IPC-HF5541F-ZE	IPC-HF5442F-ZE	IPC-HF5241F-ZE
Appearance				
Image Sensor	1/1.8" 8MP CMOS	1/2.7" 5MP CMOS	1/1.8" 4MP CMOS	1/2.8" 2MP CMOS
Focal Length	C/CS	C/CS	C/CS	C/CS
FOV-H	--	--	--	--
Min. Illumination	With 10mm–40mm lens: 0.0007 lux@F1.2 (Color, 30 IRE) 0.0003 lux@F1.2 (B/W, 30 IRE)	With 10mm–40mm lens: 0.0008lux@F1.2 (Color, 30 IRE) 0.0004lux@F1.2 (B/W, 30 IRE)	With 10mm–40mm lens: 0.0006 lux@F1.2 (Color, 30 IRE) 0.0003 lux@F1.2 (B/W, 30 IRE)	With 10mm–40mm lens: 0.0006lux@F1.2 (Color, 30 IRE) 0.0003lux@F1.2 (B/W, 30 IRE)
Day/Night	Auto (ICR)/Color/B/W	Auto (ICR)/Color/B/W	Auto (ICR)/Color/B/W	Auto (ICR)/Color/B/W
WDR	120dB	120dB	140dB	120dB
Illumination Distance	--	--	--	--
Video Compression	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)
Smart Codec	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+
Max. Resolution	8MP (3840x2160)	5MP (2960×1668)	4MP (2688×1520)	1080P (1920×1080)
Frame Rate	25/30fps@8MP	25/30fps@5MP	25/30fps@4MP	25/30fps@1080P
Multi-streaming	4 streams	4 streams	4 streams	4 streams
Angle Adjustment	NA	NA	NA	NA
Compatibility	ONVIF (Profile S&G&T); CGI	ONVIF (Profile S&G&T); CGI	ONVIF (Profile S&G&T); CGI	ONVIF (Profile S&G&T); CGI
Audio In/Out	2/1; Built-in Mic	2/1; Built-in Mic	2/1; Built-in Mic	2/1; Built-in Mic
Memory Slot	Micro SD, Max. 512GB	Micro SD, Max. 512GB	Micro SD, Max. 512GB	Micro SD, Max. 512GB
Alarm In/Out	2 channels in: wet contact, 5mA 3V–5V DC 2 channels out: dry contact, 1,000mA 30V DC/500mA 50V AC	2 channels in: wet contact, 5mA 3V–5V DC 2 channels out: dry contact, 1,000mA 30V DC/500mA 50V AC	2 channels in: wet contact, 5mA 3V–5V DC 2 channels out: dry contact, 1,000mA 30V DC/500mA 50V AC	2 channels in: wet contact, 5mA 3V–5V DC 2 channels out: dry contact, 1,000mA 30V DC/500mA 50V AC
Ingress Protection	--	--	--	--
Working Temperature	-30°C~+60°C (-22 °F~+140 °F)	-30°C~+60°C (-22 °F~+140 °F)	-30°C~+60°C (-22 °F~+140 °F)	-30°C~+60°C (-22 °F~+140 °F)
Power	12V DC/24V AC/PoE (802.3af)/ePoE, Max. 12.0W	12V DC/24V AC/PoE (802.3af)/ePoE, Max. 11.2W	12V DC/24V AC/PoE (802.3af)/ePoE, Max. 11.0W	12V DC/24V AC/PoE (802.3af)/ePoE, Max. 11.1W
Artificial Intelligence				
Video Metadata	Supported	Supported	Supported	Supported
AcuPick	Supported	Supported	Supported	Supported
Perimeter Protection	Intrusion, tripwire, fast moving (the three functions support the classification and accurate detection of vehicle and human targets); loitering detection, people gathering, and parking detection			
People Counting	Supported	Supported	Supported	Supported
Smart Object Detection	Supported	Supported	Supported	Supported
Smart Sound Detection	Can detect and identify the sound of screams, glass breaking, and more			
Heat Map	Supported	Supported	Supported	Supported
Face Detection	Supported	Supported	Supported	Supported
EPTZ	Supported	--	--	--
SMD	Supported	Supported	Supported	Supported

ePoE • Extended PoE transmission: 800m, 10Mbps, 13w or 300m, 100Mbps, 25.4w

NETWORK CAMERAS

WizMind S Series

	Vari-focal Bullet				
Model	IPC-HFW5842E-ZE/ZHE	IPC-HFW5842E-Z4E	IPC-HFW5541E-ZE/ZHE	IPC-HFW5541E-Z5E	IPC-HFW5442E-ZE/ZHE
Appearance					
Image Sensor	1/1.8" 8MP CMOS	1/1.8" 8MP CMOS	1/2.7" 5MP CMOS	1/2.7" 5MP CMOS	1/1.8" 4MP CMOS
Focal Length	2.7~12mm motorized lens	8~32mm motorized lens	2.7~13.5mm motorized lens	7~35mm motorized lens	2.7~12mm motorized lens
FOV-H	113°~47°	42°~15°	114°~32°	31°~11°	115°~47°
Min. Illumination	0.0008 lux@F1.8 (Color, 30 IRE) 0.0004 lux@F1.8 (B/W, 30 IRE) 0 lux (Illuminator on)	0.0008 lux@F1.6 (Color, 30 IRE) 0.0004 lux@F1.6 (B/W, 30 IRE) 0 lux (Illuminator on)	0.0009 Lux@F1.5 (Color, 30 IRE) 0.0005 Lux@F1.5 (B/W, 30 IRE) 0 lux (Illuminator on)	0.0009 Lux@F1.6 (Color, 30 IRE) 0.0005 Lux@F1.6 (B/W ,30 IRE) 0 lux (Illuminator on)	0.0007 lux@F1.8 (Color, 30 IRE) 0.0004 lux@F1.8 (B/W, 30 IRE) 0 lux (Illuminator on)
Day/Night	Auto (ICR)/Color/B/W	Auto (ICR)/Color/B/W	Auto (ICR)/Color/B/W	Auto (ICR)/Color/B/W	Auto (ICR)/Color/B/W
WDR	120dB	120dB	120dB	120dB	140dB
Illumination Distance	60m (196.85ft) (IR)	120m (393.7ft) (IR)	60m (196.85ft) (IR)	120m (393.7ft) (IR)	60m (196.85ft) (IR)
Video Compression	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)
Smart Codec	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+
Max. Resolution	8MP (3840x2160)	8MP (3840x2160)	5MP (2960×1668)	5MP (2960×1668)	4MP (2688×1520)
Frame Rate	25/30fps@8MP	25/30fps@8MP	25/30fps@5MP	25/30fps@5MP	25/30fps@4MP
Multi-streaming	4 streams	4 streams	4 streams	4 streams	4 streams
Angle Adjustment	Pan: 0°~360°; Tilt: 0°~90°; Rotation:0°~360°	Pan: 0°~360°; Tilt: 0°~90°; Rotation:0°~360°	Pan: 0°~360°; Tilt: 0°~90°; Rotation:0°~360°	Pan: 0°~360°; Tilt: 0°~90°; Rotation:0°~360°	Pan: 0°~360°; Tilt: 0°~90°; Rotation:0°~360°
Compatibility	ONVIF (Profile S&G&T); CGI	ONVIF (Profile S&G&T); CGI	ONVIF (Profile S&G&T); CGI	ONVIF (Profile S&G&T); CGI	ONVIF (Profile S&G&T); CGI
Audio In/Out	1/1; Built-in Mic	1/1; Built-in Mic	1/1; Built-in Mic	1/1; Built-in Mic	1/1; Built-in Mic
Memory Slot	Micro SD, Max. 512GB	Micro SD, Max. 512GB	Micro SD, Max. 512GB	Micro SD, Max. 512GB	Micro SD, Max. 512GB
Alarm In/Out	2 channels in: wet contact, 5mA 3V–5V DC 1 channel out: wet contact, 300mA 12V DC	2 channels in: wet contact, 5mA 3V–5V DC 1 channel out: wet contact, 300mA 12V DC	2 channels in: wet contact, 5mA 3V–5V DC 1 channel out: wet contact, 300mA 12V DC	2 channels in: wet contact, 5mA 3V–5V DC 1 channel out: wet contact, 300mA 12V DC	2 channels in: wet contact, 5mA 3V–5V DC 1 channel out: wet contact, 300mA 12V DC
Ingress Protection	IP67, IK10	IP67, IK10	IP67, IK10	IP67, IK10	IP67, IK10
Working Temperature	-30°C~+60°C (-22 °F~+140 °F)(-ZE) -40°C~+60°C (-40 °F~+140 °F)(-ZHE)	-30°C~+60°C (-22 °F~+140 °F)	-30°C~+60°C (-22 °F~+140 °F)(-ZE) -40°C~+60°C (-40 °F~+140 °F)(-ZHE)	-30°C~+60°C (-22 °F~+140 °F)	-30°C~+60°C (-22 °F~+140 °F)(-ZE) -40°C~+60°C (-40 °F~+140 °F)(-ZHE)
Power	12V DC/PoE (802.3af)/ePoE,Max. 12.8W (-ZE) 12V DC/PoE (802.3af)/ePoE, Max. 12.8W (-ZHE)	12V DC/PoE (802.3af)/ePoE, Max. 12.8W	12V DC/PoE (802.3af)/ePoE,Max. 13.0W (-ZE) 12V DC/PoE (802.3af)/ePoE,Max. 13.0W (-ZHE)	12V DC/PoE (802.3af)/ePoE, Max. 13.0W	12V DC/PoE (802.3af)/ePoE, Max. 12.3W (-ZE) 12V DC/PoE (802.3af)/ePoE,Max. 12.3W (-ZHE)
Artificial Intelligence					
Video Metadata	Supported	Supported	Supported	Supported	Supported
AcuPick	Supported	Supported	Supported	Supported	Supported
Perimeter Protection	Intrusion, tripwire, fast moving (the three functions support the classification and accurate detection of vehicle and human targets); loitering detection, people gathering, and parking detection				
People Counting	Supported	Supported	Supported	Supported	Supported
Smart Object Detection	Supported	Supported	Supported	Supported	Supported
Smart Sound Detection	Can detect and identify the sound of screams, glass breaking, and more				
Heat Map	Supported	Supported	Supported	Supported	Supported
Face Detection	Supported	Supported	Supported	Supported	Supported
EPTZ	Supported	Supported	--	--	--
SMD	Supported	Supported	Supported	Supported	Supported

ePoE • Extended PoE transmission: 800m, 10Mbps, 13w or 300m, 100Mbps, 25.4w

NETWORK CAMERAS

WizMind S Series

Vari-focal Bullet

Model	IPC-HFW5442E-Z4E	IPC-HFW5241E-ZE	IPC-HFW5241E-Z5E	IPC-HFW5241E-Z12E
Appearance				
Image Sensor	1/1.8" 4MP CMOS	1/2.8" 2MP CMOS	1/2.8" 2MP CMOS	1/2.8" 2MP CMOS
Focal Length	8~32mm motorized lens	2.7~13.5mm motorized lens	7~35mm motorized lens	5~60mm motorized lens
FOV-H	43°~15°	109°~30°	31°~11°	59°~5°
Min. Illumination	0.0007 lux@F1.6 (Color, 30 IRE) 0.0004 lux@F1.6 (B/W, 30 IRE) 0 lux (Illuminator on)	0.0007 Lux@F1.5(Color,30IRE) 0.0004 Lux@F1.5(B/W,30IRE) 0 lux (Illuminator on)	0.0007 Lux@F1.6(Color,30IRE) 0.0004 Lux@F1.6(B/W,30IRE) 0 lux (Illuminator on)	0.0007 Lux@F1.5(Color,30IRE) 0.0004 Lux@F1.5(B/W,30IRE) 0 lux (Illuminator on)
Day/Night	Auto (ICR)/Color/B/W	Auto (ICR)/Color/B/W	Auto (ICR)/Color/B/W	Auto (ICR)/Color/B/W
WDR	140dB	120dB	120dB	120dB
Illumination Distance	120m (393.7ft) (IR)	60m (196.85ft) (IR)	120m (393.7ft) (IR)	150m (492.13ft) (IR)
Video Compression	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)
Smart Codec	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+
Max. Resolution	4MP (2688×1520)	1080P (1920×1080)	1080P (1920×1080)	1080P (1920×1080)
Frame Rate	25/30fps@4MP	25/30fps@1080P	25/30fps@1080P	25/30fps@1080P
Multi-streaming	4 streams	4 streams	4 streams	4 streams
Angle Adjustment	Pan: 0°~360°; Tilt: 0°~90°; Rotation:0°~360°	Pan: 0°~360°; Tilt: 0°~90°; Rotation:0°~360°	Pan: 0°~360°; Tilt: 0°~90°; Rotation:0°~360°	Pan: 0°~360°; Tilt: 0°~90°; Rotation:0°~360°
Compatibility	ONVIF (Profile S&G&T); CGI	ONVIF (Profile S&G&T); CGI	ONVIF (Profile S&G&T); CGI	ONVIF (Profile S&G&T); CGI
Audio In/Out	1/1; Built-in Mic	1/1; Built-in Mic	1/1; Built-in Mic	1/1; Built-in Mic
Memory Slot	Micro SD, Max. 512GB	Micro SD, Max. 512GB	Micro SD, Max. 512GB	Micro SD, Max. 512GB
Alarm In/Out	2 channels in: wet contact, 5mA 3V–5V DC 1 channel out: wet contact, 300mA 12V DC	2 channels in: wet contact, 5mA 3V–5V DC 1 channel out: wet contact, 300mA 12V DC	2 channels in: wet contact, 5mA 3V–5V DC 1 channel out: wet contact, 300mA 12V DC	2 channels in: wet contact, 5mA 3V–5V DC 1 channel out: wet contact, 300mA 12V DC
Ingress Protection	IP67, IK10	IP67, IK10	IP67, IK10	IP67, IK10
Working Temperature	-30°C~+60°C (-22 °F~+140 °F)	-30°C~+60°C (-22 °F~+140 °F)	-30°C~+60°C (-22 °F~+140 °F)	-30°C~+60°C (-22 °F~+140 °F)
Power	12V DC/PoE (802.3af)/ePoE, Max. 12.3W	12V DC/PoE (802.3af)/ePoE, Max. 11.6W	12V DC/PoE (802.3af)/ePoE, Max. 11.6W	12V DC/PoE (802.3af)/ePoE, Max. 12.1W
Artificial Intelligence				
Video Metadata	Supported	Supported	Supported	Supported
AcuPick	Supported	Supported	Supported	Supported
Perimeter Protection	Intrusion, tripwire, fast moving (the three functions support the classification and accurate detection of vehicle and human targets); loitering detection, people gathering, and parking detection			
People Counting	Supported	Supported	Supported	Supported
Smart Object Detection	Supported	Supported	Supported	Supported
Smart Sound Detection	Supported	Supported	Supported	Supported
Heat Map	Supported	Supported	Supported	Supported
Face Detection	Supported	Supported	Supported	Supported
EPTZ	--	--	--	--
SMD	Supported	Supported	Supported	Supported

ePoE • Extended PoE transmission: 800m, 10Mbps, 13w or 300m, 100Mbps, 25.4w

NETWORK CAMERAS

WizMind S Series

	Vari-focal Dome			
Model	IPC-HDBW5842E-ZE/ZHE	IPC-HDBW5842E-Z4E	IPC-HDBW5541E-ZE/ZHE	IPC-HDBW5541E-Z5E
Appearance				
Image Sensor	1/1.8" 8MP CMOS	1/1.8" 8MP CMOS	1/2.7" 5MP CMOS	1/2.7" 5MP CMOS
Focal Length	2.7~12mm motorized lens	8~32mm motorized lens	2.7~13.5mm motorized lens	7~35mm motorized lens
FOV-H	113°~47°	42°~15°	114°~32°	31°~11°
Min. Illumination	0.0008 lux@F1.6 (Color, 30 IRE) 0.0004 lux@F1.6 (B/W, 30 IRE) 0 lux (Illuminator on)	0.0008 lux@F1.8 (Color, 30 IRE) 0.0004 lux@F1.8 (B/W, 30 IRE) 0 lux (Illuminator on)	0.0009 Lux@F1.5 (Color, 30 IRE) 0.0005 Lux@F1.5 (B/W, 30 IRE) 0 lux (Illuminator on)	0.0009 Lux@F1.6 (Color, 30 IRE) 0.0005 Lux@F1.6 (B/W, 30 IRE) 0 lux (Illuminator on)
Day/Night	Auto (ICR)/Color/B/W	Auto (ICR)/Color/B/W	Auto (ICR)/Color/B/W	Auto (ICR)/Color/B/W
WDR	120dB	120dB	120dB	120dB
Illumination Distance	40m (131.23ft) (IR)	80m (262.47ft) (IR)	40m (131.23ft) (IR)	80m (262.47ft) (IR)
Video Compression	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)
Smart Codec	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+
Max. Resolution	8MP (3840×2160)	8MP (3840×2160)	5MP (2960×1668)	5MP (2960×1668)
Frame Rate	25/30fps@8MP	25/30fps@8MP	25/30fps@5MP	25/30fps@5MP
Multi-streaming	4 streams	4 streams	4 streams	4 streams
Angle Adjustment	Pan: 0°~355°; Tilt: 0°~65°; Rotation:0°~355°	Pan: 0°~355°; Tilt: 0°~65°; Rotation:0°~355°	Pan: 0°~355°; Tilt: 0°~65°; Rotation:0°~355°	Pan: 0°~355°; Tilt: 0°~65°; Rotation:0°~355°
Compatibility	ONVIF (Profile S&G&T); CGI	ONVIF (Profile S&G&T); CGI	ONVIF (Profile S&G&T); CGI	ONVIF (Profile S&G&T); CGI
Audio In/Out	1/1; Built-in Mic	1/1; Built-in Mic	1/1; Built-in Mic	1/1; Built-in Mic
Memory Slot	Micro SD, Max. 512GB	Micro SD, Max. 512GB	Micro SD, Max. 512GB	Micro SD, Max. 512GB
Alarm In/Out	2 channels in: wet contact, 5mA 3V–5V DC 1 channel out: wet contact, 300mA 12V DC	2 channels in: wet contact, 5mA 3V–5V DC 1 channel out: wet contact, 300mA 12V DC	2 channels in: wet contact, 5mA 3V–5V DC 1 channel out: wet contact, 300mA 12V DC	2 channels in: wet contact, 5mA 3V–5V DC 1 channel out: wet contact, 300mA 12V DC
Ingress Protection	IP67, IK10	IP67, IK10	IP67, IK10	IP67, IK10
Working Temperature	-30°C~+60°C (-22 °F~+140 °F)(-ZE) -40°C~+60°C (-40 °F~+140 °F)(-ZHE)	-30°C~+60°C (-22 °F~+140 °F)	-30°C~+60°C (-22 °F~+140 °F)(-ZE) -40°C~+60°C (-40 °F~+140 °F)(-ZHE)	-30°C~+60°C (-22 °F~+140 °F)
Power	12V DC/24V AC/PoE (802.3af)/ePoE, Max. 12.2W (-ZE) 12V DC/24V AC/PoE (802.3af)/ePoE, Max. 12.2W (-ZHE)	12V DC/24V AC/PoE (802.3af)/ePoE, Max. 11.7W	12V DC/24V AC/PoE (802.3af)/ePoE, Max. 12.1W (-ZE) 12V DC/24V AC/PoE (802.3af)/ePoE, Max. 12.1W (-ZHE)	12V DC/24V AC/PoE (802.3af)/ePoE, Max. 11.6W
Artificial Intelligence				
Video Metadata	Supported	Supported	Supported	Supported
AcuPick	Supported	Supported	Supported	Supported
Perimeter Protection	Intrusion, tripwire, fast moving (the three functions support the classification and accurate detection of vehicle and human targets); loitering detection, people gathering, and parking detection			
People Counting	Supported	Supported	Supported	Supported
Smart Object Detection	Supported	Supported	Supported	Supported
Smart Sound Detection	Can detect and identify the sound of screams, glass breaking, and more			
Heat Map	Supported	Supported	Supported	Supported
Face Detection	Supported	Supported	Supported	Supported
EPTZ	Supported	Supported	--	--
SMD	Supported	Supported	Supported	Supported

ePoE • Extended PoE transmission: 800m, 10Mbps, 13w or 300m, 100Mbps, 25.4w

NETWORK CAMERAS

WizMind S Series

Vari-focal Dome

Model	IPC-HDBW5442E-ZE/ZHE	IPC-HDBW5442E-Z4E	IPC-HDBW5241E-ZE	IPC-HDBW5241E-Z5E
Appearance				
Image Sensor	1/1.8" 4MP CMOS	1/1.8" 4MP CMOS	1/2.8" 2MP CMOS	1/2.8" 2MP CMOS
Focal Length	2.7~12mm motorized lens	8~32mm motorized lens	2.7~13.5mm motorized lens	7~35mm motorized lens
FOV-H	115°~47°	43°~15°	109°~30°	31°~11°
Min. Illumination	0.0007 lux@F1.8 (Color, 30 IRE) 0.0004 lux@F1.8 (B/W, 30 IRE) 0 lux (Illuminator on)	0.0007 lux@F1.6 (Color, 30 IRE) 0.0004 lux@F1.6 (B/W, 30 IRE) 0 lux (Illuminator on)	0.0007Lux@F1.5 (Color, 30 IRE) 0.0004 Lux@F1.5 (B/W, 30 IRE) 0 lux (Illuminator on)	0.0007 Lux@F1.6 (Color, 30 IRE) 0.0004 Lux@F1.6 (B/W, 30 IRE) 0 lux (Illuminator on)
Day/Night	Auto (ICR)/Color/B/W	Auto (ICR)/Color/B/W	Auto (ICR)/Color/B/W	Auto (ICR)/Color/B/W
WDR	140dB	140dB	120dB	120dB
Illumination Distance	40m (131.23ft) (IR)	80m (262.47ft) (IR)	40m (131.23ft) (IR)	80m (262.47ft) (IR)
Video Compression	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)
Smart Codec	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+
Max. Resolution	4MP (2688×1520)	4MP (2688×1520)	1080P (1920×1080)	1080P (1920×1080)
Frame Rate	25/30fps@4MP	25/30 fps@4MP	25/30fps@1080P	25/30fps@1080P
Multi-streaming	4 streams	4 streams	4 streams	4 streams
Angle Adjustment	Pan: 0°~355°; Tilt: 0°~65°; Rotation:0°~355°	Pan: 0°~355°; Tilt: 0°~65°; Rotation:0°~355°	Pan: 0°~355°; Tilt: 0°~65°; Rotation:0°~355°	Pan: 0°~355°; Tilt: 0°~65°; Rotation:0°~355°
Compatibility	ONVIF (Profile S&G&T); CGI	ONVIF (Profile S&G&T); CGI	ONVIF (Profile S&G&T); CGI	ONVIF (Profile S&G&T); CGI
Audio In/Out	1/1; Built-in Mic	1/1; Built-in Mic	1/1; Built-in Mic	1/1; Built-in Mic
Memory Slot	Micro SD, Max. 512GB	Micro SD, Max. 512GB	Micro SD, Max. 512GB	Micro SD, Max. 512GB
Alarm In/Out	2 channels in: wet contact, 5mA 3V–5V DC 1 channel out: wet contact, 300mA 12V DC	2 channels in: wet contact, 5mA 3V–5V DC 1 channel out: wet contact, 300mA 12V DC	2 channels in: wet contact, 5mA 3V–5V DC 1 channel out: wet contact, 300mA 12V DC	2 channels in: wet contact, 5mA 3V–5V DC 1 channel out: wet contact, 300mA 12V DC
Ingress Protection	IP67, IK10	IP67, IK10	IP67, IK10	IP67, IK10
Working Temperature	-30°C~+60°C (-22 °F~+140 °F)(-ZE) -40°C~+60°C (-40 °F~+140 °F)(-ZHE)	-30°C~+60°C (-22 °F~+140 °F)	-30°C~+60°C (-22 °F~+140 °F)	-30°C~+60°C (-22 °F~+140 °F)
Power	12V DC/24V AC/PoE (802.3af)/ePoE, Max. 11.7W (-ZE) 12V DC/24V AC/PoE (802.3af)/ePoE, Max. 11.7W (-ZHE)	12V DC/24V AC/PoE (802.3af)/ePoE, Max. 11.2W	12V DC/24V AC/PoE (802.3af)/ePoE, Max. 11.5W	12V DC/24V AC/PoE (802.3af)/ePoE, Max. 10.8W
Artificial Intelligence				
Video Metadata	Supported	Supported	Supported	Supported
AcuPick	Supported	Supported	Supported	Supported
Perimeter Protection	Intrusion, tripwire, fast moving (the three functions support the classification and accurate detection of vehicle and human targets); loitering detection, people gathering, and parking detection			
People Counting	Supported	Supported	Supported	Supported
Smart Object Detection	Supported	Supported	Supported	Supported
Smart Sound Detection	Can detect and identify the sound of screams, glass breaking, and more			
Heat Map	Supported	Supported	Supported	Supported
Face Detection	Supported	Supported	Supported	Supported
EPTZ	--	--	--	--
SMD	Supported	Supported	Supported	Supported

ePoE • Extended PoE transmission: 800m, 10Mbps, 13w or 300m, 100Mbps, 25.4w

NETWORK CAMERAS

WizMind S Series

	Vari-focal Eyeball			
Model	IPC-HDW5842T-ZE	IPC-HDW5541T-ZE	IPC-HDW5442T-ZE	IPC-HDW5241T-ZE
Appearance				
Image Sensor	1/1.8" 8MP CMOS	1/2.7"5MP CMOS	1/1.8"4MP CMOS	1/2.8"2MP CMOS
Focal Length	2.7~12 mm motorized lens	2.7~13.5 mm motorized lens	2.7~12 mm motorized lens	2.7~13.5 mm motorized lens
FOV-H	113°~47°	114°~32°	115°~47°	109°~30°
Min. Illumination	0.0008 lux@F1.8 (Color, 30 IRE) 0.0004 lux@F1.8 (B/W, 30 IRE) 0 lux (Illuminator on)	0.0009 Lux@F1.5 (Color, 30 IRE) 0.0005 Lux@F1.5 (B/W, 30 IRE) 0 lux (Illuminator on)	0.0007 lux@F1.8 (Color, 30 IRE) 0.0004 lux@F1.8 (B/W, 30 IRE) 0 lux (Illuminator on)	0.0007 Lux@F1.5 (Color, 30 IRE) 0.0004 Lux@F1.5 (B/W, 30 IRE) 0 lux (Illuminator on)
Day/Night	Auto (ICR)/Color/B/W	Auto (ICR)/Color/B/W	Auto (ICR)/Color/B/W	Auto (ICR)/Color/B/W
WDR	120dB	120dB	140dB	120dB
Illumination Distance	40m (131.23ft) (IR)	40m (131.23ft) (IR)	40m (131.23ft) (IR)	40m (131.23ft) (IR)
Video Compression	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)
Smart Codec	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+
Max. Resolution	8MP (3840x2160)	5MP (2960×1668)	4MP (2688×1520)	1080P (1920×1080)
Frame Rate	25/30 fps@8MP	25/30fps@5MP	25/30fps@4MP	25/30 fps@1080P
Multi-streaming	4 streams	4 streams	4 streams	4 streams
Angle Adjustment	Pan: 0°~360° Tilt: 0°~78° Rotation: 0°~360°	Pan: 0°~360° Tilt: 0°~78° Rotation: 0°~360°	Pan: 0°~360° Tilt: 0°~78° Rotation: 0°~360°	Pan: 0°~360° Tilt: 0°~78° Rotation: 0°~360°
Compatibility	ONVIF (Profile S&G&T); CGI	ONVIF (Profile S&G&T); CGI	ONVIF (Profile S&G&T); CGI	ONVIF (Profile S&G&T); CGI
Audio In/Out	Built-in Mic	Built-in Mic	Built-in Mic	Built-in Mic
Memory Slot	Micro SD, Max. 512GB	Micro SD, Max. 512GB	Micro SD, Max. 512GB	Micro SD, Max. 512GB
Alarm In/Out	--	--	--	--
Ingress Protection	IP67	IP67	IP67	IP67
Working Temperature	-30° C ~ +60° C (-22° F ~ +140° F)	-30° C ~ +60° C (-22° F ~ +140° F)	-30° C ~ +60° C (-22° F ~ +140° F)	-30° C ~ +60° C (-22° F ~ +140° F)
Power	12V DC/PoE (802.3af)/ePoE, Max. 9.0W	12V DC/PoE (802.3af)/ePoE, Max. 8.5W	12V DC/PoE (802.3af)/ePoE, Max. 8.2W	12V DC/PoE (802.3af)/ePoE, Max. 7.6W
Artificial Intelligence				
Video Metadata	Supported	Supported	Supported	Supported
AcuPick	Supported	Supported	Supported	Supported
Perimeter Protection	Intrusion, tripwire, fast moving (the three functions support the classification and accurate detection of vehicle and human targets); loitering detection, people gathering, and parking detection			
People Counting	Supported	Supported	Supported	Supported
Smart Object Detection	Supported	Supported	Supported	Supported
Smart Sound Detection	--	--	--	--
Heat Map	Supported	Supported	Supported	Supported
Face Detection	Supported	Supported	Supported	Supported
EPTZ	Supported	--	--	--
SMD	Supported	Supported	Supported	Supported

ePoE • Extended PoE transmission: 800m, 10Mbps, 13w or 300m, 100Mbps, 25.4w

NETWORK CAMERAS

WizMind S Series

Fixed Mini Bullet

Model	IPC-HFW5842E-ASE	IPC-HFW5541E-ASE	IPC-HFW5442E-ASE	IPC-HFW5241E-ASE
Appearance				
Image Sensor	1/1.8" 8MP CMOS	1/2.7" 5MP CMOS	1/1.8" 4MP CMOS	1/2.8" 2MP CMOS
Focal Length	2.8mm fixed lens (3.6mm/6mm optional)	2.8mm fixed lens (3.6mm/6mm optional)	2.8mm fixed lens (3.6mm/6mm optional)	2.8mm fixed lens (3.6mm/6mm optional)
FOV-H	110°/87°/60°	111°/92°/57°	112°/88°/61°	106°/88°/54°
Min. Illumination	0.0008 lux@F1.6 (Color, 30 IRE) 0.0004 lux@F1.6 (B/W, 30 IRE) 0 lux (Illuminator on)	0.0009 Lux@F1.6 (Color, 30 IRE) 0.0005 Lux@F1.6 (B/W, 30 IRE) 0 lux (Illuminator on)	0.0007Lux@F1.6 (Color, 30 IRE) 0.0004 Lux@F1.6 (B/W, 30 IRE) 0 lux (Illuminator on)	0.0007 Lux@F1.6 (Color, 30 IRE) 0.0004 Lux@F1.6 (B/W, 30 IRE) 0 lux (Illuminator on)
Day/Night	Auto (ICR)/Color/B/W	Auto (ICR)/Color/B/W	Auto (ICR)/Color/B/W	Auto (ICR)/Color/B/W
WDR	120dB	120dB	140dB	120dB
Illumination Distance	50m (164.04ft) (IR)	50m (164.04ft) (IR)	50m (164.04ft) (IR)	50m (164.04ft) (IR)
Video Compression	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)
Smart Codec	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+
Max. Resolution	8MP (3840×2160)	5MP (2960×1668)	4MP (2688×1520)	1080P (1920×1080)
Frame Rate	25/30fps@8MP	25/30fps@5MP	25/30fps@4MP	25/30fps@1080P
Multi-streaming	4 streams	4 streams	4 streams	4 streams
Angle Adjustment	Pan:0°~360°; Tilt:0°~90°; Rotation:0°~360°	Pan:0°~360°; Tilt:0°~90°; Rotation:0°~360°	Pan:0°~360°; Tilt:0°~90°; Rotation:0°~360°	Pan:0°~360°; Tilt:0°~90°; Rotation:0°~360°
Compatibility	ONVIF (Profile S&G&T); CGI	ONVIF (Profile S&G&T); CGI	ONVIF (Profile S&G&T); CGI	ONVIF (Profile S&G&T); CGI
Audio In/Out	1/1; Built-in Mic	1/1; Built-in Mic	1/1; Built-in Mic	1/1; Built-in Mic
Memory Slot	Micro SD, Max. 512GB	Micro SD, Max. 512GB	Micro SD, Max. 512GB	Micro SD, Max. 512GB
Alarm In/Out	1 channel in: wet contact, 5mA 3V–5V DC 1 channel out: wet contact, 300mA 12V DC	1 channel in: wet contact, 5mA 3V–5V DC 1 channel out: wet contact, 300mA 12V DC	1 channel in: wet contact, 5mA 3V–5V DC 1 channel out: wet contact, 300mA 12V DC	1 channel in: wet contact, 5mA 3V–5V DC 1 channel out: wet contact, 300mA 12V DC
Ingress Protection	IP67	IP67	IP67	IP67
Working Temperature	-40° C ~ +60° C (-40° F ~ +140° F)	-40° C ~ +60° C (-40° F ~ +140° F)	-40° C ~ +60° C (-40° F ~ +140° F)	-40° C ~ +60° C (-40° F ~ +140° F)
Power	12V DC/PoE (802.3af)/ePoE, Max. 8.3W	12V DC/PoE (802.3af)/ePoE, Max. 8.3W	12V DC/PoE (802.3af)/ePoE, Max. 8.3W	12V DC/PoE (802.3af)/ePoE, Max. 8.3W
Artificial Intelligence				
Video Metadata	Supported	Supported	Supported	Supported
AcuPick	Supported	Supported	Supported	Supported
Perimeter Protection	Intrusion, tripwire, fast moving (the three functions support the classification and accurate detection of vehicle and human targets); loitering detection, people gathering, and parking detection			
People Counting	Supported	Supported	Supported	Supported
Smart Object Detection	Supported	Supported	Supported	Supported
Smart Sound Detection	Can detect and identify the sound of screams, glass breaking, and more			
Heat Map	Supported	Supported	Supported	Supported
Face Detection	Supported	Supported	Supported	Supported
EPTZ	Supported	--	--	--
SMD	Supported	Supported	Supported	Supported

ePoE • Extended PoE transmission: 800m, 10Mbps, 13w or 300m, 100Mbps, 25.4w

NETWORK CAMERAS

WizMind S Series

	Fixed Bullet			
Model	IPC-HFW5842T-ASE	IPC-HFW5842T-SE	IPC-HFW5541T-ASE	IPC-HFW5541T-SE
Appearance				
Image Sensor	1/1.8" 8MP CMOS	1/1.8" 8MP CMOS	1/2.7" 5MP CMOS	1/2.7" 5MP CMOS
Focal Length	2.8mm fixed lens (3.6mm/6mm optional)	2.8mm fixed lens (3.6mm/6mm optional)	2.8mm fixed lens (3.6mm/6mm/8mm optional)	2.8mm fixed lens (3.6mm/6mm/8mm optional)
FOV-H	110°/87°/60°	110°/87°/60°	111°/92°/57°/43°	111°/92°/57°/43°
Min. Illumination	0.0008 lux@F1.6 (Color, 30 IRE) 0.0004 lux@F1.6 (B/W, 30 IRE) 0 lux (Illuminator on)	0.0008 lux@F1.6 (Color, 30 IRE) 0.0004 lux@F1.6 (B/W, 30 IRE) 0 lux (Illuminator on)	0.0009 Lux@F1.6(Color,30IRE) 0.0005 Lux@F1.6(B/W,30IRE) 0 lux (Illuminator on)	0.0009 Lux@F1.6(Color,30IRE) 0.0005 Lux@F1.6(B/W,30IRE) 0 lux (Illuminator on)
Day/Night	Auto (ICR)/Color/B/W	Auto (ICR)/Color/B/W	Auto (ICR)/Color/B/W	Auto (ICR)/Color/B/W
WDR	120dB	120dB	120dB	120dB
Illumination Distance	80m (265.5ft) (IR)	80m (265.5ft) (IR)	80m (265.5ft) (IR)	80m (265.5ft) (IR)
Video Compression	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)
Smart Codec	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+
Max. Resolution	8MP (3840x2160)	8MP (3840x2160)	5MP (2960×1668)	5MP (2960×1668)
Frame Rate	25/30fps@8MP	25/30fps@8MP	25/30fps@5MP	25/30fps@5MP
Multi-streaming	4 streams	4 streams	4 streams	4 streams
Angle Adjustment	Pan:0°~360°; Tilt:0°~90°; Rotation:0°~360°	Pan:0°~360°; Tilt:0°~90°; Rotation:0°~360°	Pan:0°~360°; Tilt:0°~90°; Rotation:0°~360°	Pan: 0°~360°; Tilt: 0°~90°; Rotation: 0°~360°
Compatibility	ONVIF (Profile S&G&T); CGI	ONVIF (Profile S&G&T); CGI	ONVIF (Profile S&G&T); CGI	ONVIF (Profile S&G&T); CGI
Audio In/Out	1/1; Built-in Mic	Built-in Mic	1/1; Built-in Mic	Built-in Mic
Memory Slot	Micro SD, Max. 512GB	Micro SD, Max. 512GB	Micro SD, Max. 512GB	Micro SD, Max. 512GB
Alarm In/Out	1 channel in: wet contact, 5mA 3V–5V DC 1 channel out: wet contact, 300mA 12V DC	--	1 channel in: wet contact, 5mA 3V–5V DC 1 channel out: wet contact, 300mA 12V DC	--
Ingress Protection	IP67, IK10	IP67, IK10	IP67, IK10	IP67, IK10
Working Temperature	-40° C ~ +60° C (-40° F ~ +140° F)	-40° C ~ +60° C (-40° F ~ +140° F)	-40° C ~ +60° C (-40° F ~ +140° F)	-40° C ~ +60° C (-40° F ~ +140° F)
Power	12V DC/PoE (802.3af)/ePoE, Max. 9.8W	12V DC/PoE (802.3af)/ePoE, Max. 9.8W	12V DC/PoE (802.3af)/ePoE, Max. 9.8W	12V DC/PoE (802.3af)/ePoE, Max. 9.8W
Artificial Intelligence				
Video Metadata	Supported	Supported	Supported	Supported
AcuPick	Supported	Supported	Supported	Supported
Perimeter Protection	Intrusion, tripwire, fast moving (the three functions support the classification and accurate detection of vehicle and human targets); loitering detection, people gathering, and parking detection			
People Counting	Supported	Supported	Supported	Supported
Smart Object Detection	Supported	Supported	Supported	Supported
Smart Sound Detection	Can detect and identify the sound of screams, glass breaking, and more	--	Can detect and identify the sound of screams, glass breaking, and more	--
Heat Map	Supported	Supported	Supported	Supported
Face Detection	Supported	Supported	Supported	Supported
EPTZ	Supported	Supported	--	--
SMD	Supported	Supported	Supported	Supported

ePoE • Extended PoE transmission: 800m, 10Mbps, 13w or 300m, 100Mbps, 25.4w

NETWORK CAMERAS

WizMind S Series

Fixed Bullet

Model	IPC-HFW5442T-ASE	IPC-HFW5442T-SE	IPC-HFW5241T-ASE	IPC-HFW5241T-SE
Appearance				
Image Sensor	1/1.8" 4MP CMOS	1/1.8" 4MP CMOS	1/2.8" 2MP CMOS	1/2.8" 2MP CMOS
Focal Length	2.8mm fixed lens (3.6mm/6mm optional)	2.8mm fixed lens (3.6mm/6mm optional)	2.8mm fixed lens (3.6mm/6mm/8mm optional)	2.8mm fixed lens (3.6mm/6mm/8mm optional)
FOV-H	112°/88°/61°	112°/88°/61°	106°/88°/54°/42°	106°/88°/54°/42°
Min. Illumination	0.0007Lux@F1.6 (Color, 30 IRE) 0.0004 Lux@F1.6 (B/W, 30 IRE) 0 lux (Illuminator on)	0.0007Lux@F1.6 (Color, 30 IRE) 0.0004 Lux@F1.6 (B/W, 30 IRE) 0 lux (Illuminator on)	0.0007Lux@F1.6 (Color, 30 IRE) 0.0004 Lux@F1.6 (B/W, 30 IRE) 0 lux (Illuminator on)	0.0007Lux@F1.6 (Color, 30 IRE) 0.0004 Lux@F1.6 (B/W, 30 IRE) 0 lux (Illuminator on)
Day/Night	Auto (ICR)/Color/B/W	Auto (ICR)/Color/B/W	Auto (ICR)/Color/B/W	Auto (ICR)/Color/B/W
WDR	140dB	140dB	120dB	120dB
Illumination Distance	80m (265.5ft) (IR)	80m (265.5ft) (IR)	80m (265.5ft) (IR)	80m (265.5ft) (IR)
Video Compression	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)
Smart Codec	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+
Max. Resolution	4MP (2688×1520)	4MP (2688×1520)	1080P (1920×1080)	1080P (1920×1080)
Frame Rate	25/30fps@4MP	25/30fps@4MP	25/30fps@1080P	25/30fps@1080P
Multi-streaming	4 streams	4 streams	4 streams	4 streams
Angle Adjustment	Pan:0°~360°; Tilt:0°~90°; Rotation:0°~360°	Pan:0°~360°; Tilt:0°~90°; Rotation:0°~360°	Pan:0°~360°; Tilt:0°~90°; Rotation:0°~360°	Pan:0°~360°; Tilt:0°~90°; Rotation:0°~360°
Compatibility	ONVIF (Profile S&G&T); CGI	ONVIF (Profile S&G&T); CGI	ONVIF (Profile S&G&T); CGI	ONVIF (Profile S&G&T); CGI
Audio In/Out	1/1; Built-in Mic	Built-in Mic	1/1; Built-in Mic	Built-in Mic
Memory Slot	Micro SD, Max. 512GB	Micro SD, Max. 512GB	Micro SD, Max. 512GB	Micro SD, Max. 512GB
Alarm In/Out	1 channel in: wet contact, 5mA 3V–5V DC 1 channel out: wet contact, 300mA 12V DC	--	1 channel in: wet contact, 5mA 3V–5V DC 1 channel out: wet contact, 300mA 12V DC	--
Ingress Protection	IP67, IK10	IP67, IK10	IP67, IK10	IP67, IK10
Working Temperature	-40° C ~ +60° C (-40° F ~ +140° F)	-40° C ~ +60° C (-40° F ~ +140° F)	-40° C ~ +60° C (-40° F ~ +140° F)	-40° C ~ +60° C (-40° F ~ +140° F)
Power	12V DC/PoE (802.3af)/ePoE, Max. 9.8W	12V DC/PoE (802.3af)/ePoE, Max. 9.8W	12V DC/PoE (802.3af)/ePoE, Max. 9.8W	12V DC/PoE (802.3af)/ePoE, Max. 9.8W
Artificial Intelligence				
Video Metadata	Supported	Supported	Supported	Supported
AcuPick	Supported	Supported	Supported	Supported
Perimeter Protection	Intrusion, tripwire, fast moving (the three functions support the classification and accurate detection of vehicle and human targets); loitering detection, people gathering, and parking detection			
People Counting	Supported	Supported	Supported	Supported
Smart Object Detection	Supported	Supported	Supported	Supported
Smart Sound Detection	Can detect and identify the sound of screams, glass breaking, and more	--	Can detect and identify the sound of screams, glass breaking, and more	--
Heat Map	Supported	Supported	Supported	Supported
Face Detection	Supported	Supported	Supported	Supported
EPTZ	--	--	--	--
SMD	Supported	Supported	Supported	Supported

ePoE • Extended PoE transmission: 800m, 10Mbps, 13w or 300m, 100Mbps, 25.4w

NETWORK CAMERAS

WizMind S Series

Fixed Dome

Model	IPC-HDBW5842R-ASE	IPC-HDBW5541R-ASE	IPC-HDBW5442R-ASE	IPC-HDBW5241R-ASE
Appearance				
Image Sensor	1/1.8" 8MP CMOS	1/2.7" 5MP CMOS	1/1.8" 4MP CMOS	1/2.8" 2MP CMOS
Focal Length	2.8mm fixed lens (3.6mm/6mm optional)	2.8mm fixed lens (3.6mm/6mm optional)	2.8mm fixed lens (3.6mm/6mm optional)	2.8mm fixed lens (3.6mm/6mm optional)
FOV-H	110°/87°/60°	111°/92°/57°	112°/88°/61°	106°/88°/54°
Min. Illumination	0.0008 lux@F1.6 (Color, 30 IRE) 0.0004 lux@F1.6 (B/W, 30 IRE) 0 lux (Illuminator on)	0.0009 Lux@F1.6 (Color, 30 IRE) 0.0005 Lux@F1.6(B/W, 30 IRE) 0 lux (Illuminator on)	0.0007Lux@F1.6 (Color, 30 IRE) 0.0004 Lux@F1.6 (B/W, 30 IRE) 0 lux (Illuminator on)	0.0007Lux@F1.6 (Color, 30 IRE) 0.0004 Lux@F1.6 (B/W, 30 IRE) 0 lux (Illuminator on)
Day/Night	Auto (ICR)/Color/B/W	Auto (ICR)/Color/B/W	Auto (ICR)/Color/B/W	Auto (ICR)/Color/B/W
WDR	120dB	120dB	140dB	120dB
Illumination Distance	50m (164.04ft) (IR)	50m (164.04ft) (IR)	50m (164.04ft) (IR)	50m (164.04ft) (IR)
Video Compression	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)
Smart Codec	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+
Max. Resolution	8MP (3840x2160)	5MP (2960×1668)	4MP (2688×1520)	1080P (1920×1080)
Frame Rate	25/30fps@8MP	25/30fps@5MP	25/30fps@4MP	25/30fps@1080P
Multi-streaming	4 streams	4 streams	4 streams	4 streams
Angle Adjustment	Pan:0°~355°; Tilt:0°~80°; Rotation:0°~355°	Pan:0°~355°; Tilt:0°~80°; Rotation:0°~355°	Pan:0°~355°; Tilt:0°~80°; Rotation:0°~355°	Pan:0°~355°; Tilt:0°~80°; Rotation:0°~355°
Compatibility	ONVIF (Profile S&G&T); CGI	ONVIF (Profile S&G&T); CGI	ONVIF (Profile S&G&T); CGI	ONVIF (Profile S&G&T); CGI
Audio In/Out	1/1; Built-in Mic	1/1; Built-in Mic	1/1; Built-in Mic	1/1; Built-in Mic
Memory Slot	Micro SD, Max. 512GB	Micro SD, Max. 512GB	Micro SD, Max. 512GB	Micro SD, Max. 512GB
Alarm In/Out	1 channel in: wet contact, 5mA 3V–5V DC 1 channel out: wet contact, 300mA 12V DC	1 channel in: wet contact, 5mA 3V–5V DC 1 channel out: wet contact, 300mA 12V DC	1 channel in: wet contact, 5mA 3V–5V DC 1 channel out: wet contact, 300mA 12V DC	1 channel in: wet contact, 5mA 3V–5V DC 1 channel out: wet contact, 300mA 12V DC
Ingress Protection	IP67, IK10	IP67, IK10	IP67, IK10	IP67, IK10
Working Temperature	-40°C~+60°C(-40°F ~ +140°F)	-40° C ~ +60° C (-40° F ~ +140° F)	-40° C ~ +60° C (-40° F ~ +140° F)	-40° C ~ +60° C (-40° F ~ +140° F)
Power	12V DC/PoE (802.3af)/ePoE, Max. 8.8W	12V DC/PoE (802.3af)/ePoE, Max. 8.8W	12V DC/PoE (802.3af)/ePoE, Max. 8.8W	12V DC/PoE (802.3af)/ePoE, Max. 8.8W
Artificial Intelligence				
Video Metadata	Supported	Supported	Supported	Supported
AcuPick	Supported	Supported	Supported	Supported
Perimeter Protection	Intrusion, tripwire, fast moving (the three functions support the classification and accurate detection of vehicle and human targets); loitering detection, people gathering, and parking detection			
People Counting	Supported	Supported	Supported	Supported
Smart Object Detection	Supported	Supported	Supported	Supported
Smart Sound Detection	Can detect and identify the sound of screams, glass breaking, and more			
Heat Map	Supported	Supported	Supported	Supported
Face Detection	Supported	Supported	Supported	Supported
EPTZ	Supported	--	--	--
SMD	Supported	Supported	Supported	Supported

ePoE • Extended PoE transmission: 800m, 10Mbps, 13w or 300m, 100Mbps, 25.4w

NETWORK CAMERAS

WizMind S Series

Fixed Eyeball

Model	IPC-HDW5842TM-ASE	IPC-HDW5541TM-ASE	IPC-HDW5442TM-ASE	IPC-HDW5241TM-ASE
Appearance				
Image Sensor	1/1.8" 8MP CMOS	1/2.7" 5MP CMOS	1/1.8" 4MP CMOS	1/2.8" 2MP CMOS
Focal Length	2.8mm fixed lens (3.6mm/6mm optional)	2.8mm fixed lens (3.6mm, 6mm optional)	2.8mm fixed lens (3.6mm/6mm optional)	2.8mm fixed lens (3.6mm/6mm optional)
FOV-H	111°/87°/55°	111°/92°/57°	112°/88°/61°	106°/88°/54°
Min. Illumination	0.0008 lux@F1.6 (Color, 30 IRE) 0.0004 lux@F1.6 (B/W, 30 IRE) 0 lux (Illuminator on)	0.0009 Lux@F1.6 (Color,30 IRE) 0.0005 Lux@F1.6 (B/W, 30 IRE) 0 lux (Illuminator on)	0.0007Lux@F1.6 (Color, 30 IRE) 0.0004 Lux@F1.6 (B/W, 30 IRE) 0 lux (Illuminator on)	0.0007Lux@F1.6 (Color, 30 IRE) 0.0004 Lux@F1.6 (B/W, 30 IRE) 0 lux (Illuminator on)
Day/Night	Auto (ICR)/Color/B/W	Auto (ICR)/Color/B/W	Auto (ICR)/Color/B/W	Auto (ICR)/Color/B/W
WDR	120dB	120dB	140dB	120dB
Illumination Distance	50m (164.04ft) (IR)	50m (164.04ft) (IR)	50m (164.04ft) (IR)	50m (164.04ft) (IR)
Video Compression	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)
Smart Codec	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+
Max. Resolution	8MP (3840x2160)	5MP (2960×1668)	4MP (2688×1520)	1080P (1920×1080)
Frame Rate	25/30fps@8MP	25/30fps@5MP	25/30fps@4MP	25/30fps@1080P
Multi-streaming	4 streams	4 streams	4 streams	4 streams
Angle Adjustment	Pan:0°~360°; Tilt:0°~78°; Rotation:0°~360°	Pan:0°~360°; Tilt:0°~78°; Rotation:0°~360°	Pan:0°~360°; Tilt:0°~78°; Rotation:0°~360°	Pan:0°~360°; Tilt:0°~78°; Rotation:0°~360°
Compatibility	ONVIF (Profile S&G&T); CGI	ONVIF (Profile S&G&T); CGI	ONVIF (Profile S&G&T); CGI	ONVIF (Profile S&G&T); CGI
Audio In/Out	1/1; Built-in Mic	1/1; Built-in Mic	1/1; Built-in Mic	1/1; Built-in Mic
Memory Slot	Micro SD, Max. 512GB	Micro SD, Max. 512GB	Micro SD, Max. 512GB	Micro SD, Max. 512GB
Alarm In/Out	1 channel in: wet contact, 5mA 3V–5V DC 1 channel out: wet contact, 300mA 12V DC	1 channel in: wet contact, 5mA 3V–5V DC 1 channel out: wet contact, 300mA 12V DC	1 channel in: wet contact, 5mA 3V–5V DC 1 channel out: wet contact, 300mA 12V DC	1 channel in: wet contact, 5mA 3V–5V DC 1 channel out: wet contact, 300mA 12V DC
Ingress Protection	IP67	IP67	IP67	IP67
Working Temperature	-40° C ~ +60° C (-40° F ~ +140° F)	-40° C ~ +60° C (-40° F ~ +140° F)	-40° C ~ +60° C (-40° F ~ +140° F)	-40° C ~ +60° C (-40° F ~ +140° F)
Power	12V DC/PoE (802.3af)/ePoE, Max. 8.8W	12V DC/PoE (802.3af)/ePoE, Max. 8.3W	12V DC/PoE (802.3af)/ePoE, Max. 9.7W	12V DC/PoE (802.3af)/ePoE, Max. 9.7W
Artificial Intelligence				
Video Metadata	Supported	Supported	Supported	Supported
AcuPick	Supported	Supported	Supported	Supported
Perimeter Protection	Intrusion, tripwire, fast moving (the three functions support the classification and accurate detection of vehicle and human targets); loitering detection, people gathering, and parking detection			
People Counting	Supported	Supported	Supported	Supported
Smart Object Detection	Supported	Supported	Supported	Supported
Smart Sound Detection	Can detect and identify the sound of screams, glass breaking, and more			
Heat Map	Supported	Supported	Supported	Supported
Face Detection	Supported	Supported	Supported	Supported
EPTZ	Supported	--	--	--
SMD	Supported	Supported	Supported	Supported

ePoE • Extended PoE transmission: 800m, 10Mbps, 13w or 300m, 100Mbps, 25.4w

Explore New Innovations with

Full-Color Camera

4K 4K

Duo

Zoom

NETWORK CAMERAS

WizMind Full-color Series

	Full-color					
Model	IPC-PFW5849-A180-E2-ASTE	IPC-HFW5449T1-ASE-D2	IPC-HFW5449E-SE-LED	IPC-HFW5849T1-ASE-LED	IPC-HDW5449H-ASE-D2	IPC-PDW5849-A180-E2-ASTE
Appearance						
Image Sensor	Dual 1/1.8"8MP CMOS	1/1.8" + 1/1.8" 4MP CMOS	1/1.8" 4MP CMOS	1/1.2" 8MP CMOS	1/1.8" + 1/1.8" 4MP CMOS	Dual 1/1.8"8MP CMOS
Focal Length	3.6mm/F1.0	2.8mm/F1.0 3.6mm/F1.0 6mm/F1.0	2.8mm/F1.0 3.6mm/F1.0	2.8mm/F1.0 3.6mm/F1.0 6mm/F1.0	2.8mm/F1.0 3.6mm/F1.0 6mm/F1.0	3.6mm/F1.0
FOV-H	180°	97°/75°/47°	112°/95°	102°/88°/55°	97°/75°/47°	180°
Min. Illumination	0.0005 lux@F1.0 (Color, 30 IRE) 0.0002 lux@F1.0 (B/W, 30 IRE) 0 lux (Illuminator on)	0.0002 lux @F1.0	0.0005Lux@F1.0	0.0005Lux@F1.0	0.0002 lux @F1.0	0.0005 lux@F1.0 (Color, 30 IRE) 0.0002 lux@F1.0 (B/W, 30 IRE) 0 lux (Illuminator on)
Day/Night	Color/B/W	Color/B/W	Color/B/W	Color/B/W	Color/B/W	Color/B/W
WDR	140dB	DWDR	140dB	140dB	DWDR	140dB
Illumination Distance	40m (131.23ft) (Warm light)	50m (164.04ft) (IR)	30m (98.43ft) (Warm light)	60m (196.85ft) (Warm light)	50m (164.04ft) (IR)	40m (131.23ft) (Warm light)
Video Compression	H.265; H.264; H.264H; H.264B; MJPEG (Only supported by the sub stream)	H.265; H.264; H.264B; MJPEG (Only supported by the sub stream)	H.265; H.264; H.264B; MJPEG (Only supported by the sub stream)	H.265; H.264; H.264B; MJPEG (Only supported by the sub stream)	H.265; H.264; H.264B; MJPEG (Only supported by the sub stream)	H.265; H.264; H.264H; H.264B; MJPEG (Only supported by the sub stream)
Smart Codec	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+
Max. Resolution	8MP (4096×1800)	4MP (2688×1520)	4MP (2688×1520)	8MP (3840×2160)	4MP (2688×1520)	8MP (4096×1800)
Frame Rate	25fps@8Mp	25/30fps@4Mp	25/30fps@4MP	25/30fps@8MP	25/30fps@4Mp	25fps@8Mp
Multi-streaming	3 streams	3 streams	3 streams	3 streams	3 streams	3 streams
Angle Adjustment	Pan: 0°~360°; Tilt: 0°~90°; Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~90°; Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~90°; Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~90°; Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~78°; Rotation: 0°~360°	Pan: 0°~360°; Tilt: 4°~90°; Rotation: 0°~360°
Compatibility	ONVIF (Profile S&G&T); CGI	ONVIF (Profile S&G&T); CGI	ONVIF (Profile S&G&T); CGI	ONVIF (Profile S&G&T); CGI	ONVIF (Profile S&G&T); CGI	ONVIF (Profile S&G&T); CGI
Audio In/Out	1/1; Built-in Mic and Speaker	1/1; Built-in Mic and Speaker	1/1; Built-in Mic	1/1; Built-in Mic and Speaker	1/1; Built-in Mic and Speaker	1/1; Built-in Mic and Speaker
Memory Slot	Micro SD, Max. 512GB	Micro SD, Max. 256GB	Micro SD, Max. 512GB	Micro SD, Max. 512GB	Micro SD, Max. 256GB	Micro SD, Max. 512GB
Alarm In/Out	1/1	1/1	--	1/1	1/1	1/1
Ingress Protection	IP67	IP67	IP67	IP67	IP67	IP67
Working Temperature	-40°C~+60°C (-40°F~+140°F)	-40°C~+60°C (-40°F~+140°F)	-40°C~+60°C (-40°F~+140°F)	-40°C~+60°C (-40°F~+140°F)	-40°C~+60°C (-40°F~+140°F)	-40°C~+60°C (-40°F~+140°F)
Power	12V DC/PoE (802.3af)/ePoE, Max. 11.8W	12V DC/PoE (802.3af)/ePoE, Max. 11.8W	12 VDC/PoE (802.3af)/ePoE, Max. 8.4W	12 VDC/PoE (802.3af)/ePoE, Max. 14.5W	12V DC/PoE (802.3af)/ePoE, Max. 10.5W	12V DC/PoE (802.3af)/ePoE, Max. 11.8W
Artificial Intelligence						
Face Detection	--	Supported	Supported	Supported	Supported	--
AcuPick	--	--	Supported	Supported	--	--
Video Metadata	--	--	Supported	Supported	--	--
Perimeter Protection	Supported	Supported	Supported	Supported	Supported	Supported
People Counting	Supported	Supported	Supported	Supported	Supported	Supported
Smart Object Detection	Supported	--	Supported	Supported	--	Supported
Heat Map	Supported	Supported	Supported	Supported	Supported	Supported
EPTZ	Supported	--	--	--	--	Supported
SMD	Supported	Supported	Supported	Supported	Supported	Supported
General Intelligence						
IVS	--	Abandoned object; missing object	--	--	Abandoned object; missing object	--

ePoE • Extended PoE transmission: 800m, 10Mbps, 13w or 300m, 100Mbps, 25.4w

NETWORK CAMERAS

WizMind Full-color Series

	Full-color					
Model	IPC-HDW5849H-ASE-LED	IPC-HDW5449TM-SE-LED	IPC-HDBW5449R-ASE-LED	IPC-HFW5449T-ASE-LED	IPC-HFW5449T1-ZE-LED	IPC-HDW5449H-ZE-LED
Appearance						
Image Sensor	1/1.2" 8MP CMOS	1/1.8" 4MP CMOS	1/1.8" 4MP CMOS	1/1.8" 4MP CMOS	1/1.8" 4MP CMOS	1/1.8" 4MP CMOS
Focal Length	2.8mm/F1.0 3.6mm/F1.0	2.8mm/F1.0 3.6mm/F1.0	2.8mm/F1.0 3.6mm/F1.0	2.8mm/F1.0 3.6mm/F1.0 6mm/F1.0	2.7mm~12mm/F1.0	2.7mm~12mm/F1.0
FOV-H	102°/88°	112°/95°	112°/95°	112°/95°/58°	104.7°~56.1°	104.7°~56.1°
Min. Illumination	0.0005Lux@F1.0	0.0005Lux@F1.0	0.0005Lux@F1.0	0.0005Lux@F1.0	0.0005Lux@F1.0	0.0005Lux@F1.0
Day/Night	Color/B/W	Color/B/W	Color/B/W	Color/B/W	Color/B/W	Color/B/W
WDR	140dB	140dB	140dB	140dB	140dB	140dB
Illumination Distance	50m (164.04 ft) (Warm light)	30m (98.4ft) (Warm light)	30m (98.4ft) (Warm light)	40m (131.23ft) (Warm light)	70m (229.66ft) (Warm light)	50m (164.04ft) (Warm light)
Video Compression	H.265; H.264; H.264B; MJPEG (Only supported by the sub stream)	H.265; H.264; H.264B; MJPEG (Only supported by the sub stream)	H.265; H.264; H.264B; MJPEG (Only supported by the sub stream)	H.265; H.264; H.264B; MJPEG (Only supported by the sub stream)	H.265; H.264; H.264B; MJPEG (Only supported by the sub stream)	H.265; H.264; H.264B; MJPEG (Only supported by the sub stream)
Smart Codec	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+
Max. Resolution	8MP (3840×2160)	4MP (2688×1520)	4MP (2688×1520)	4MP (2688×1520)	4MP (2688×1520)	4MP (2688×1520)
Frame Rate	25/30fps@8MP	25/30fps@4MP	25/30fps@4MP	25/30fps@4MP	25/30fps@4MP	25/30fps@4MP
Multi-streaming	3 streams	3 streams	3 streams	3 streams	3 streams	3 streams
Angle Adjustment	Pan: 0°~360°; Tilt: 0°~78°; Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~78°; Rotation: 0°~360°	Pan: 0°~355°; Tilt: 0°~80°; Rotation: 0°~355°	Pan: 0°~360°; Tilt: 0°~90°; Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~90°; Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~78°; Rotation: 0°~360°
Compatibility	ONVIF (Profile S&G&T); CGI	ONVIF (Profile S&G&T); CGI	ONVIF (Profile S&G&T); CGI	ONVIF (Profile S&G&T); CGI	ONVIF (Profile S&G&T); CGI	ONVIF (Profile S&G&T); CGI
Audio In/Out	1/1; Built-in Mic	Built-in Mic	1/1; Built-in Mic	1/1; Built-in Mic	1/1; Built-in Mic and Speaker	1/1; Built-in Mic and Speaker
Memory Slot	Micro SD, Max. 512GB	Micro SD, Max. 512GB	Micro SD, Max. 512GB	Micro SD, Max. 512GB	Micro SD, Max. 512GB	Micro SD, Max. 512GB
Alarm In/Out	1/1	--	1/1	1/1	2/1	2/1
Ingress Protection	IP67	IP67	IP67, IK10	IP67	IP67	IP67
Working Temperature	-40°C~+60°C (-40°F~+140°F)	-40°C~+60°C (-40°F~+140°F)	-40°C~+60°C (-40°F~+140°F)	-40°C~+60°C (-40°F~+140°F)	-40°C~+60°C (-40°F~+140°F)	-30°C~+60°C (-22°F~+140°F)
Power	12 VDC/PoE (802.3af)/ePoE, Max. 9.6W	12 VDC/PoE (802.3af)/ePoE, Max. 9.8W	12 VDC/PoE (802.3af)/ePoE, Max. 9.2W	12 VDC/PoE (802.3af)/ePoE, Max. 11.6W	12 VDC/PoE (802.3af)/ePoE, Max. 13W	12 VDC/PoE (802.3af)/ePoE, Max. 11.1W
Artificial Intelligence						
Face Detection	Supported	Supported	Supported	Supported	Supported	Supported
AcuPick	Supported	Supported	Supported	Supported	Supported	Supported
Video Metadata	Supported	Supported	Supported	Supported	Supported	Supported
Perimeter Protection	Supported	Supported	Supported	Supported	Supported	Supported
People Counting	Supported	Supported	Supported	Supported	Supported	Supported
Smart Object Detection	Supported	Supported	Supported	Supported	Supported	Supported
Heat Map	Supported	Supported	Supported	Supported	Supported	Supported
EPTZ	--	--	--	--	--	--
SMD	Supported	Supported	Supported	Supported	Supported	Supported
General Intelligence						
IVS	--	--	--	--	--	--

ePoE • Extended PoE transmission: 800m, 10Mbps, 13w or 300m, 100Mbps, 25.4w

Panoramic Series Network Camera

The Dahua panoramic camera is designed for applications that require a 360°, 270° and 180° view for situational awareness. WizMind offers all-in-one design, up to 8K ultra high definition resolution, wider coverage, excellent night view, better image correction, and rich AI functions. It is a perfect surveillance solution that can replace multiple conventional cameras, reduce complexity, and save installation and maintenance costs.

8K Ultra High Definition

Delivers vast area coverage and crystal clear images, and enables users to see more hard-to-discover details in large scale scenarios through its 8K ultra high definition resolution.

Wider Coverage

Equipped with multiple lens, the Dahua panoramic camera can implement seamless splicing between lenses and achieve 180°, 270° and 360° field of view.

EPTZ

EPTZ can simultaneously zoom in and track multiple human and vehicle targets when an alarm is triggered, realizing PTZ linkage. In addition to a panoramic view, EPTZ also provides rich details to help users see distant objects clearly.

AI Functions

Offers rich AI functions including Perimeter Protection, Face Detection, Face Recognition, Video Metadata, Crowd & Vehicle Density, etc.

NETWORK CAMERAS

Panoramic Series

Hubble Series Camera

Model	PSDW83242M-A360-D845L-S3		PSDW82442M-A270-D440-S3		PSDW81642M-A360-D440-S3	
Appearance	WizMind 8K Starlight+		WizMind Starlight+		WizMind Starlight+	
	Panoramic	PTZ	Panoramic	PTZ	Panoramic	PTZ
Image Sensor	Eight 1/1.8" 4MP CMOS	1/1.8" 8MP CMOS	Six 1/1.8" 4MP CMOS	1/1.8" 4MP CMOS	Eight 1/1.8" 2MP CMOS	1/1.8" 4MP CMOS
Focal Length	2.8mm/F1.0	5.5~248mm/F1.5	2.8mm/F1.0	5.5~220mm/F1.4	2.8mm/F1.0	5.5~220mm/F1.4
FOV-H	360°		270°		360°	
Min. Illumination	0.001 lux @F1.0 (Color, 30 IRE) 0.0001 lux@F1.0 (B/W, 30 IRE)	0.001 lux @F1.5 (Color, 30 IRE) 0.0001 lux @F1.5 (B/W, 30 IRE) 0 lux (Illuminator on)	0.0005 lux@F1.0 (Color,30 IRE) 0.0001 lux@F1.0 (B/W,30 IRE)	0.001 lux@F1.4 (Color, 30 IRE) 0.0005 lux @F1.4 (B/W, 30 IRE) 0 lux (Illuminator on)	0.0005 lux@F1.0 (Color,30 IRE) 0.0001 lux@F1.0 (B/W,30 IRE)	0.001 lux@F1.4 (Color, 30 IRE) 0.0005 lux @F1.4 (B/W, 30 IRE) 0 lux (Illuminator on)
Illumination Distance	--	500m (1640ft) (Laser)	--	400m (1312ft) (IR)	--	400m (1312ft) (IR)
Day/Night	Auto (ICR)/Color/B/W		Auto (ICR)/Color/B/W		Auto (ICR)/Color/B/W	
WDR	DWDR	120dB	120dB		DWDR	120dB
Video Compression	H.265; H.264; H.264H; H.264B; MJPEG (Only supported by the sub stream)		H.265; H.264; H.264H; H.264B; MJPEG (Only supported by the sub stream)		H.265; H.264; H.264H; H.264B; MJPEG (Only supported by the sub stream)	
Smart Codec	Smart H.265+/H.264+		Smart H.265+/H.264+		Smart H.265+/H.264+	
Resolution	32MP (11520×2700)	8MP (3840×2160)	24MP (8192×2700)	4MP (2560×1440)	16MP (8192×1800)	4MP (2560×1440)
Frame Rate	25/30fps@(11520×2700)	25/30fps@(3840×2160)	25/30fps@(8192×2700)	25/30fps@(2560×1440)	25/30fps@(8192×1800)	25/30fps@(2560×1440)
Multi-streaming	3 streams		3 streams		3 streams	
Pan/Tilt/Rotation	--	Pan: 0° ~ 360° endless Tilt:-12° ~ 90°, auto flip 180°	--	Pan: 0° ~ 360° endless Tilt:-11° ~ 90°, auto flip 180°	--	Pan: 0° ~ 360° endless Tilt: -11° ~ 90°, auto flip 180°
Compatibility	ONVIF (Profile S&G&T); CGI		ONVIF (Profile S&G&T); CGI		ONVIF (Profile S&G&T); CGI	
Audio In/Out	2/2		2/2		2/2	
Memory Slot	Micro SD, Max. 512GB		Micro SD, Max. 512GB		Micro SD, Max. 512GB	
Alarm In/Out	7/3		7/3		7/3	
Ingress Protection	IP66, anti-corrosion protection (optional)		IP66		IP66	
Working Environment	-40°C~+70°C (-40°F~+158°F)		-40°C~+70°C (-40°F~+158°F)		-40°C~+70°C (-40°F~+158°F)	
Power	36V DC, Max. 71.9W		36V DC, Max. 99W		36V DC, Max. 99W	
Artificial Intelligence						
Face Detection	--	--	--	--	--	--
Face Recognition	--	Supported	--	Supported	--	Supported
Video Metadata	--	Supported	--	Supported	--	Supported
Perimeter Protection	Intrusion, tripwire, parking detection	Tripwire, intrusion, fast moving (the three functions support the classification and accurate detection of vehicle and human targets); parking detection, loitering detection, and people gathering.	Intrusion, tripwire, parking detection	Tripwire, intrusion, fast moving (the three functions support the classification and accurate detection of vehicle and human targets); parking detection, loitering detection, and people gathering.	Intrusion, tripwire, parking detection	Tripwire, intrusion, fast moving (the three functions support the classification and accurate detection of vehicle and human targets); parking detection, loitering detection, and people gathering.
Vehicle Density	Vehicle density; parking upper limit; traffic congestion alarm	--	Vehicle density; parking upper limit; traffic congestion alarm	--	Vehicle density; parking upper limit; traffic congestion alarm	--
Crowd Distribution Map	Crowd map, global crowd density; crowd density in area; people counting in area	--	Crowd map, global crowd density; crowd density in area; people counting in area	--	Crowd map, global crowd density; crowd density in area; people counting in area	--

NETWORK CAMERAS

Panoramic Series

	Hubble Series Camera					
Model	PSDW81642M-A180-D440-S3		PSDW81642S-A360-D425		PSDW8842S-A180-D425	
Appearance						
	Panoramic	PTZ	Panoramic	PTZ	Panoramic	PTZ
Image Sensor	Four 1/1.8" 4MP CMOS	1/1.8" 4MP CMOS	Eight 1/1.8" 2MP CMOS	1/1.8" 4MP CMOS	Four 1/1.8" 2MP CMOS	1/1.8" 4MP CMOS
Focal Length	2.8mm/F1.0	5.5~220mm/F1.4	2.8mm/F1.0	5.3~134mm/F1.6	2.8mm/F1.0	5.3~134mm/F1.6
FOV-H	180°		360°		180°	
Min. Illumination	0.0005 lux@F1.0 (Color,30 IRE) 0.0001 lux@F1.0 (B/W,30 IRE)	0.001 lux@F1.4 (Color, 30 IRE) 0.0005 lux @F1.4 (B/W, 30 IRE) 0 lux (Illuminator on)	0.001 lux @F1.0 (Color, 30 IRE) 0.0001 lux@F1.0 (B/W, 30 IRE)	0.001 lux @F1.6 (Color, 30 IRE) 0.0001 lux @F1.6 (B/W, 30 IRE) 0 lux (Illuminator on)	0.001 lux @F1.0 (Color, 30 IRE) 0.0001 lux@F1.0 (B/W, 30 IRE)	0.001 lux @F1.6 (Color, 30 IRE) 0.0001 lux @F1.6 (B/W, 30 IRE) 0 lux (Illuminator on)
Illumination Distance	--	400m (1312ft) (IR)	--	100m (328ft) (IR)	--	100m (328ft) (IR)
Day/Night	Auto (ICR)/Color/B/W		Auto (ICR)/Color/B/W		Auto (ICR)/Color/B/W	
WDR	120dB	120dB	DWDR	120dB	120dB	120dB
Video Compression	H.265; H.264; H.264H; H.264B; MJPEG (Only supported by the sub stream)		H.265; H.264; H.264H; H.264B; MJPEG (Only supported by the sub stream)		H.265; H.264; H.264H; H.264B; MJPEG (Only supported by the sub stream)	
Smart Codec	Smart H.265+/H.264+		Smart H.265+/H.264+		Smart H.265+/H.264+	
Resolution	16MP (5520×2700)	4MP (2560×1440)	16MP (8192×1800)	4MP (2560×1440)	8MP (4096×1800)	4MP (2560×1440)
Frame Rate	25/30fps@(5520×2700)	25/30fps@(2560×1440)	25/30fps@(8192×1800)	25/30fps@(2560×1440)	25/30fps@(4096×1800)	25/30fps@(2560×1440)
Multi-streaming	3 streams		3 streams		3 streams	
Pan/Tilt/Rotation	--	Pan: 0° ~ 360° endless Tilt:-11° ~ 90°, auto flip 180°	--	Pan: 0° ~ 360° endless Tilt:-10° ~ 90°, auto flip 180°	--	Pan: 0° ~ 360° endless Tilt: –10° ~ 90°, auto flip 180°
Compatibility	ONVIF (Profile S&G&T); CGI		ONVIF (Profile S&G&T); CGI		ONVIF (Profile S&G&T); CGI	
Audio In/Out	2/2		2/1, built-in Dual Mic and dual Speakers		2/1, built-in Dual Mic and Speaker	
Memory Slot	Micro SD, Max. 512GB		Micro SD, Max. 512GB		Micro SD, Max. 512GB	
Alarm In/Out	7/3		3/2		3/2	
Ingress Protection	IP66		IP67		IP67	
Working Environment	-40°C~+70°C (-40°F~+158°F)		-40°C~+60°C (-40°F~+140°F)		-40°C~+60°C (-40°F~+140°F)	
Power	36V DC, Max. 99W		36V DC, Max. 45W		36V DC, Max. 45W	
Artificial Intelligence						
Face Detection	--	--	--	Supported	--	Supported
Face Recognition	--	Supported	--	--	--	--
Video Metadata	--	Supported	--	Supported	--	Supported
Perimeter Protection	Intrusion, tripwire, parking detection	Tripwire, intrusion, fast moving (the three functions support the classification and accurate detection of vehicle and human targets); parking detection, loitering detection, and people gathering.	Intrusion, tripwire	Tripwire, intrusion, fast moving (the three functions support the classification and accurate detection of vehicle and human targets); parking detection, loitering detection, and people gathering.	Intrusion, tripwire	Tripwire, intrusion, fast moving (the three functions support the classification and accurate detection of vehicle and human targets); parking detection, loitering detection, and people gathering.
Vehicle Density	Vehicle density; parking upper limit; traffic congestion alarm	--	--	--	--	--
Crowd Distribution Map	Crowd map, global crowd density; crowd density in area; people counting in area	--	--	--	--	--

NETWORK CAMERAS

Panoramic Series

Multi-Sensor 180° Series Camera

Model	IPC-PFW83242-A180-S2	IPC-PFW81642-A180	IPC-PDBW82041-B360-S2	IPC-HDBW5441F-AS-E2
Appearance	WizMind 8K Starlight	WizMind Starlight+	WizMind Starlight	WizMind Starlight
Image Sensor	Four 1/1.8" 8MP CMOS	Four 1/1.8" 4MP CMOS	Four 1/2.7" 5MP CMOS	Two 1/2.7" 4MP CMOS
Focal Length	2.8mm/F1.6	2.8mm/F1.6	2.8~12mm/F1.7	2.8mm/F1.6; 3.6mm/F1.6
FOV-H	180°	180°	4×(100°~42°)	2.8mm: 95°; 3.6mm: 78°
Min. Illumination	0.005 lux@F1.6 (Color, 30 IRE) 0.0005 lux@F1.6 (B/W, 30 IRE) 0 Lux (Illuminator on)	0.001 lux@F1.6 (Color, 30 IRE) 0.0001 lux@F1.6 (B/W, 30 IRE) 0 lux (Illuminator on)	0.005 lux@F1.7 (Color, 30 IRE); 0.0005 lux@F1.7 (B/W, 30 IRE); 0 lux (Illuminator on)	0.005 Lux@F1.6 (Color, 30 IRE) 0.0005 Lux@F1.6 (B/W, 30 IRE) 0 lux (Illuminator on)
Illumination Distance	30m (98ft) (IR)	30m (98ft) (IR)	30m (98ft) (IR)	30m (98ft) (IR)
Day/Night	Auto (ICR)/Color/B/W	Auto (ICR)/Color/B/W	Auto (ICR)/Color/B/W	Auto (ICR)/Color/B/W
WDR	DWDR	DWDR	DWDR(4 channel)	120dB
Video Compression	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)
Smart Codec	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+
Resolution	32MP (8192×3840)	16MP (5520×2700)	4×5MP(2592×1944)	2×4MP(2560×1440)
Frame Rate	25/30fps@(8192×3840)	25/30fps@(5520×2700)	25/30fps@(2592×1944)	25/30fps@(2560×1440)
Multi-streaming	3 streams	3 streams	4×3 streams	2×3 streams
Pan/Tilt/Rotation	Pan: 0°~355°; Tilt: 0°~90°; Rotation:0°~360°	Tilt: 0°~90°; Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~75°; Rotation: 0°~355°	Pan: 0°~175°; Tilt: 0°~65°; Rotation: 0°~360°
Compatibility	ONVIF (Profile S&G&T); CGI	ONVIF (Profile S&G&T); CGI	ONVIF (Profile S&G&T); CGI	ONVIF (Profile S&G&T); CGI
Audio In/Out	1/1	1/1	1/1	1/1, Built-in Mic
Memory Slot	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB
Alarm In/Out	2/2	2/2	3/2	2/2
Ingress Protection	IP67, IK10	IP67, IK10	IP67, IK10, anti-corrosion protection (optional)	IP67, IK10
Working Environment	-40°C~+60°C (-40°F~+140°F)	-40°C~+60°C (-40°F~+140°F)	-30°C~+60°C(-22°F ~ +140°F)	-40°C~+60°C(-40°F ~ +140°F)
Power	12V DC/24V AC/PoE+(802.3at), Max. 25W	12V DC/24V AC/PoE+ (802.3at), Max. 24.2W	12V DC/POE+(802.3at), Max. 24.7W	12V DC/POE(802.3af), Max. 8W
Artificial Intelligence				
Face Detection	--	--	Supported	Supported
Face Recognition	--	--	--	--
Video Metadata	--	--	--	--
Perimeter Protection	Intrusion, tripwire, parking detection	Tripwire; Intrusion	Tripwire; intrusion; fast moving (the three functions support the classification and accurate detection of vehicle and human targets); loitering detection; people gathering; parking detection	Tripwire; intrusion; fast moving (the three functions support the classification and accurate detection of vehicle and human targets); loitering detection; people gathering; parking detection
Vehicle Density	Vehicle density; parking upper limit; vehicle congestion alarm	Vehicle density; parking upper limit; vehicle congestion alarm	--	--
Crowd Distribution Map	Crowd map, global people counting; people counting in area	Crowd map, global people counting; people counting in area	--	--
EPTZ	Supported	Supported		--
People Counting	--	--	Supported	Supported
Parking Space Management (Fisheye)	--	--	--	--
General Intelligence				
IVS	--	--	Abandoned object; missing object	Abandoned object; missing object
Heat Map	--	--	--	--

NETWORK CAMERAS

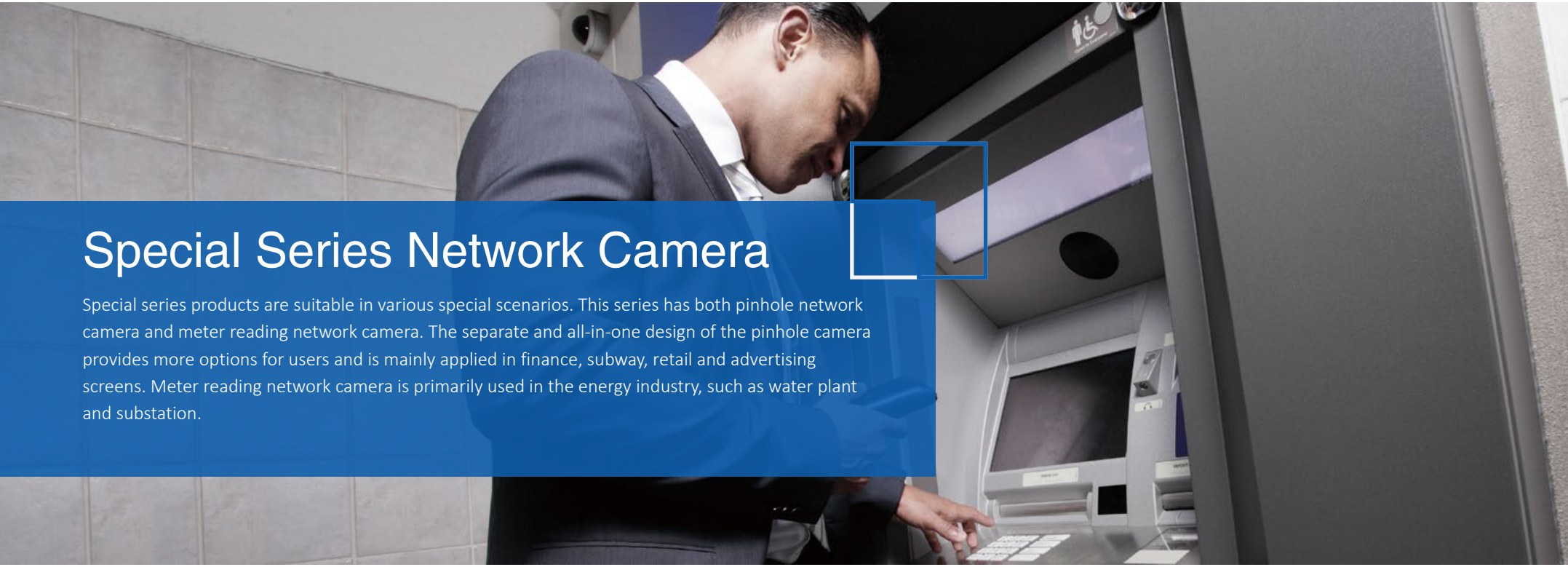
Panoramic Series

	Fisheye Camera		
Model	IPC-EB81242-PD	IPC-EBW81242-AS-S2	IPC-EBW81242-AS-IVC-S2
Appearance			
Image Sensor	1/1.7" 12MP CMOS	1/1.7" 12MP CMOS	1/1.7" 12MP CMOS
Focal Length	1.85mm/F2.0	1.85mm/F2.0	1.29mm/F2.0
FOV-H	180°	185°	185°
Min. Illumination	0.01 lux (Color)	0.01 Lux@F2.0 (Color, 30 IRE) 0.001 Lux@F2.0 (B/W, 30 IRE) 0 Lux (Illuminator on)	0.01 Lux@F2.0 (Color, 30 IRE) 0.001 Lux@F2.0 (B/W, 30 IRE) 0 Lux (Illuminator on)
Illumination Distance	--	10m (33ft) (IR)	10m (33ft) (IR)
Day/Night	Auto (ICR)/Color/B/W	Auto (ICR)/Color/B/W	Auto (ICR)/Color/B/W
WDR	DWDR	DWDR	DWDR
Video Compression	H.265; H.264; H.264H; MJPEG (Only supported by the sub stream)	H.265; H.264; H.264H; MJPEG (Only supported by the sub stream)	H.265; H.264; H.264H; MJPEG (Only supported by the sub stream)
Smart Codec	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+
Resolution	12MP (3008×3000)	12MP (4000×3000)	12MP (4000×3000)
Frame Rate	20fps@12MP (3008×3000)	25/30fps@12MP (4000×3000)	25/30fps@12MP (4000×3000)
Multi-streaming	3 streams	3 streams	3 streams
Pan/Tilt/Rotation	--	--	--
Compatibility	ONVIF (Profile S&G&T); CGI; SDK	ONVIF (Profile S&G&T); CGI	ONVIF (Profile S&G&T); CGI
Audio In/Out	1/1	1/1,Built-in Dual-array Mic and Speaker	1/1,Built-in Dual-array Mic and Speaker
Memory Slot	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB
Alarm In/Out	2/2	2/2	2/2
Ingress Protection	IP67	IP67, IK10	IP67, IK10
Working Environment	-30°C~+45°C (-22°F~+113°F)	-40°C~+60°C (-40°F~+140°F)	-40°C~+55°C (-40°F~+131°F)
Power	12V DC, PoE+(802.3at), Max. 8.845W	12V DC, PoE+(802.3at), Max. 13.9W	12V DC, PoE+(802.3at), Max. 13.9W
Artificial Intelligence			
Perimeter Protection	--	Intrusion; Tripwire	Intrusion; Tripwire
People Counting	--	Supported	Supported
Parking Space Management (Fisheye)	Supports the mode of 12 parking spaces and 6 parking spaces	--	--
General Intelligence			
IVS	--	--	--
Heat Map	--	Supported	Supported

NETWORK CAMERAS

Panoramic Series

	Fisheye Camera			
Model	IPC-EBW8842-AS	IPC-EBW8842-AS-IVC	IPC-EB5541-AS	IPC-EW5541-AS
Appearance				
Image Sensor	1/1.7" 8MP CMOS	1/1.7" 8MP CMOS	1/2.7" 5MP CMOS	1/2.7" 5MP CMOS
Focal Length	1.85mm/F2.0	1.29mm/F2.0	1.4 mm/F2.0	1.4 mm/F2.0
FOV-H	185°	185°	180°	180°
Min. Illumination	0.01 Lux@F2.0 (Color, 30 IRE) 0.001 Lux@F2.0 (B/W, 30 IRE) 0 Lux (Illuminator on)	0.01 Lux@F2.0 (Color, 30 IRE) 0.001 Lux@F2.0 (B/W, 30 IRE) 0 Lux (Illuminator on)	0.006 Lux@F2.0 (Color, 30IRE)	0.006 Lux@F2.0 (Color, 30 IRE) 0.0006 Lux@F2.0 (B/W, 30 IRE) 0 Lux (Illuminator on)
Illumination Distance	10m (33ft) (IR)	10m (33ft) (IR)	--	10m (33ft) (IR)
Day/Night	Auto (ICR)/Color/B/W	Auto (ICR)/Color/B/W	Color/B/W	Auto (ICR)/Color/B/W
WDR	DWDR	DWDR	120 dB	120 dB
Video Compression	H.265; H.264; H.264H; MJPEG (Only supported by the sub stream)	H.265; H.264; H.264H; MJPEG (Only supported by the sub stream)	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)
Smart Codec	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+
Resolution	8MP (3280×2480)	8MP (3280×2480)	5MP (2592×1944)	5MP (2592×1944)
Frame Rate	25/30fps@8MP (3280×2480)	25/30fps@8MP (3280×2480)	25/30fps@5MP (2592×1944)	25/30fps@5MP (2592×1944)
Multi-streaming	3 streams	3 streams	3 streams	3 streams
Pan/Tilt/Rotation	--	--	--	--
Compatibility	ONVIF (Profile S&G&T); CGI	ONVIF (Profile S&G&T); CGI	ONVIF (Profile S&G&T); CGI	ONVIF (Profile S&G&T); CGI
Audio In/Out	1/1; Built-in Dual-array Mic and Speaker	1/1; Built-in Dual-array Mic and Speaker	1/1; Built-in Mic	1/1; Built-in Mic
Memory Slot	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB
Alarm In/Out	2/2	2/2	1/1	1/1
Ingress Protection	IP67, IK10	IP67, IK10	IP67, IK10	--
Working Environment	-40°C~+60°C (-40°F~+140°F)	-40°C~+55°C (-40°F~+131°F)	-30°C~+55°C(-22°F~+131°F)	-10°C~+50°C (14° F~+122° F)
Power	12V DC, PoE+(802.3at), Max. 13.9W	12V DC, PoE+(802.3at), Max. 13.9W	12V DC/PoE(802.3af), Max. 6W	12V DC/PoE(802.3af), Max. 8.8W
Artificial Intelligence				
Perimeter Protection	Tripwire; Intrusion	Tripwire; Intrusion	Tripwire; Intrusion	Tripwire; Intrusion
People Counting	Supported	Supported	Supported	Supported
General Intelligence				
IVS	--	--	--	--
Heat Map	Supported	Supported	Supported	Supported



Special Series Network Camera

Special series products are suitable in various special scenarios. This series has both pinhole network camera and meter reading network camera. The separate and all-in-one design of the pinhole camera provides more options for users and is mainly applied in finance, subway, retail and advertising screens. Meter reading network camera is primarily used in the energy industry, such as water plant and substation.

Separate Pinhole Network Camera

· 2MP & 4MP
· Various lens options
· WDR
· Audio & Alarm port
· Face Detection
· Perimeter Protection
· IP67 (L3 Lens)

All-in-One Pinhole Network Camera

· 2MP & 4MP
· Various lens options
· Built-in mic
· WDR
· IVS
· 12VDC

Macro Meter Reading Network Camera

· 5MP
· 0.03m-0.5m focus distance
· Built-in warm light
· Light filtering system
· Glass heating
· WDR
· IP67
· Easy installation

NETWORK CAMERAS

Special Series

Pinhole Camera

Model	IPC-HUM8441-E1-L1	IPC-HUM8241-E1-L1	IPC-HUM8441E-E1-L3-S2	IPC-HUM8241E-E1-L3-S2	IPC-HUM8441-E1-L4
Appearance					
Image Sensor	1/2.7" 4MP CMOS	1/2.8" 2MP CMOS	1/2.7" 4MP CMOS	1/2.7" 2MP CMOS	1/2.7" 4MP CMOS
Focal Length	2.8mm/F2.0	2.8mm/F2.0	2.8mm/F1.6	2.8mm/F1.6	2.8mm/F2.0
FOV-H	101°	105°	102°	109°	101°
Min. Illumination	0.005 Lux@F2.0 (Color, 30 IRE) 0.0005 Lux@F2.0 (B/W, 30 IRE)	0.005 Lux@F2.0 (Color, 30 IRE) 0.0005 Lux@F2.0 (B/W, 30 IRE)	0.002 lux@F1.6 (Color, 30 IRE) 0.0002 lux@F1.6 (B/W, 30 IRE)	0.002 lux@F1.6 (Color, 30 IRE) 0.0002 lux@F1.6 (B/W, 30 IRE)	0.005 Lux@F2.0 (Color, 30 IRE) 0.0005 Lux@F2.0 (B/W, 30 IRE)
Day/Night	Color/B/W	Color/B/W	Color/B/W	Color/B/W	Color/B/W
WDR	120 dB	120 dB	120 dB	120 dB	120 dB
Illumination Distance	--	--	--	--	--
Video Compression	H.265; H.264; H.264H; H.264B; MJPEG (Only supported by the sub stream)	H.265; H.264; H.264H; H.264B; MJPEG (Only supported by the sub stream)	H.265; H.264; H.264H; H.264B; MJPEG (Only supported by the sub stream)	H.265; H.264; H.264H; H.264B; MJPEG (Only supported by the sub stream)	H.265; H.264; H.264H; H.264B; MJPEG (Only supported by the sub stream)
Smart Codec	Smart H265+/H264+	Smart H265+/H264+	Smart H265+/H264+	Smart H265+/H264+	Smart H265+/H264+
Max. Resolution	4MP (2688×1520)	1080P (1920×1080)	4MP (2688×1520)	1080P (1920×1080)	4MP (2688×1520)
Frame Rate	25/30fps@4MP	25/30fps@1080P	25/30fps@4MP	25/30fps@1080P	25/30fps@4MP
Multi-streaming	3 streams	3 streams	3 streams	3 streams	3 streams
Compatibility	ONVIF (Profile S&G&T); CGI	ONVIF (Profile S&G&T); CGI	ONVIF (Profile S&G&T); CGI	ONVIF (Profile S&G&T); CGI	ONVIF (Profile S&G&T); CGI
Audio In/Out	1/1	1/1	1/1	1/1	1/1
Memory Slot	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB
Alarm In/Out	2/2	2/2	2/2	2/2	2/2
Ingress Protection	--	--	IP67	IP67	--
Working Temperature	-40 °C ~+60 °C (-40 °F ~+140 °F)	-40 °C ~+60 °C (-40 °F ~+140 °F)	-40 °C ~+60 °C (-40 °F ~+140 °F)	-40 °C ~+60 °C (-40 °F ~+140 °F)	-40 °C ~+60 °C (-40 °F ~+140 °F)
Power	12V DC/PoE, Max. 4.8W	12V DC/PoE, Max. 4.5W	12V DC/PoE, Max. 5.4 W	12V DC/PoE, Max. 4.5W	12V DC/PoE, Max. 4.8W
Artificial Intelligence					
Face Detection	Supported	Supported	Supported	Supported	Supported
Perimeter Protection	Intrusion, tripwire, fast moving (the three functions support the classification and accurate detection of vehicle and human targets); loitering detection, people gathering, and parking detection	Intrusion, tripwire, fast moving (the three functions support the classification and accurate detection of vehicle and human targets); loitering detection, people gathering, and parking detection	Intrusion, tripwire, fast moving (the three functions support the classification and accurate detection of vehicle and human targets); loitering detection, people gathering, and parking detection	Intrusion, tripwire, fast moving (the three functions support the classification and accurate detection of vehicle and human targets); loitering detection, people gathering, and parking detection	Intrusion, tripwire, fast moving (the three functions support the classification and accurate detection of vehicle and human targets); loitering detection, people gathering, and parking detection
Smart Object Detection	Supported	Supported	Supported	Supported	Supported
General Intelligence					
IVS	--	--	--	--	--

NETWORK CAMERAS

Special Series

Pinhole Camera

Model	IPC-HUM8241-E1-L4	IPC-HUM8441-E1-L5	IPC-HUM8241-E1-L5	IPC-HUM8441-E1	IPC-HUM8441-E2
Appearance					
Image Sensor	1/2.8" 2MP CMOS	1/2.7" 4MP CMOS	1/2.8" 2MP CMOS	1/2.7" 4MP CMOS	1/2.7" 5MP CMOS
Focal Length	2.8mm/F2.0	2.8mm/F2.0	2.8mm/F2.0	2.8mm/F2.0	2.8mm/F2.0
FOV-H	105°	105°	109°	L1: 101° L3: 102° L4: 101° L5: 105°	L1/L4: 96° L3: 102° L5: 95°
Min. Illumination	0.005 Lux@F2.0 (Color, 30 IRE) 0.0005 Lux@F2.0 (B/W, 30 IRE)	0.005 Lux@F2.0 (Color, 30 IRE) 0.0005 Lux@F2.0 (B/W, 30 IRE)	0.005 Lux@F2.0 (Color, 30 IRE) 0.0005 Lux@F2.0 (B/W, 30 IRE)	0.005 Lux@F2.0 (Color, 30 IRE) 0.0005 Lux@F2.0 (B/W, 30 IRE)	0.005 Lux@F2.0 (Color, 30 IRE) 0.0005 Lux@F2.0 (B/W, 30 IRE)
Day/Night	Color/B/W	Color/B/W	Color/B/W	Color/B/W	Color/B/W
WDR	120 dB	120 dB	120 dB	120 dB	DWDR
Illumination Distance	--	--	--	--	--
Video Compression	H.265; H.264; H.264H; H.264B; MJPEG (Only supported by the sub stream)	H.265; H.264; H.264H; H.264B; MJPEG (Only supported by the sub stream)	H.265; H.264; H.264H; H.264B; MJPEG (Only supported by the sub stream)	H.265; H.264; H.264H; H.264B; MJPEG (Only supported by the sub stream)	H.265; H.264; H.264H; H.264B; MJPEG (Only supported by the sub stream)
Smart Codec	Smart H265+/H264+	Smart H265+/H264+	Smart H265+/H264+	Smart H265+/H264+	Smart H265+/H264+
Max. Resolution	1080P (1920×1080)	4MP (2688×1520)	1080P (1920×1080)	4MP (2688×1520)	5MP (2592×1944)
Frame Rate	25/30fps@1080P	25/30fps@4MP	25/30fps@1080P	25/30fps@4MP	20fps@5MP
Multi-streaming	3 streams	3 streams	3 streams	3 streams	2 streams
Compatibility	ONVIF (Profile S&G&T); CGI	ONVIF (Profile S&G&T); CGI	ONVIF (Profile S&G&T); CGI	ONVIF (Profile S&G&T); CGI	ONVIF (Profile S&G&T); CGI
Audio In/Out	1/1	1/1	1/1	1/1	1/1
Memory Slot	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB
Alarm In/Out	2/2	2/2	2/2	2/2	2/2
Ingress Protection	--	--	--	--	--
Working Temperature	-40 °C~+60 °C (-40 °F ~+140 °F)	-40 °C~+60 °C (-40 °F ~+140 °F)	-40 °C~+60 °C (-40 °F ~+140 °F)	-40 °C~+60 °C (-40 °F ~+140 °F)	-40 °C~+60 °C (-40 °F ~+140 °F)
Power	12V DC/PoE, Max. 4.5W	12V DC/PoE, Max. 4.8W	12V DC/PoE, Max. 4.5W	12V DC/PoE, Max. 4.8W	12V DC/PoE, Max. 7.2W
Artificial Intelligence					
Face Detection	Supported	Supported	Supported	Supported	Supported
Perimeter Protection	Intrusion, tripwire, fast moving (the three functions support the classification and accurate detection of vehicle and human targets); loitering detection, people gathering, and parking detection	Intrusion, tripwire, fast moving (the three functions support the classification and accurate detection of vehicle and human targets); loitering detection, people gathering, and parking detection	Intrusion, tripwire, fast moving (the three functions support the classification and accurate detection of vehicle and human targets); loitering detection, people gathering, and parking detection	Intrusion, tripwire, fast moving (the three functions support the classification and accurate detection of vehicle and human targets); loitering detection, people gathering, and parking detection	Intrusion, tripwire, fast moving (the three functions support the classification and accurate detection of vehicle and human targets); loitering detection, people gathering, and parking detection
Smart Object Detection	Supported	Supported	Supported	Supported	Supported

NETWORK CAMERAS

Special Series

			Pinhole Camera		
Model	IPC-HUM8241-E1	IPC-HUM8241-E2	IPC-HUM8441-L1	IPC-HUM8441E-L3-S2	IPC-HUM8441-L4
Appearance					
Image Sensor	1/2.8" 2MP CMOS	1/2.8" 2MP CMOS	1/2.7" 4MP CMOS	1/2.7" 4MP CMOS	1/2.7" 4MP CMOS
Focal Length	2.8mm/F2.0	2.8mm/F2.0	2.8mm/F2.0	2.8/3.6/6/8mm /F1.6	2.8mm/F2.0
FOV-H	L1/L4: 105° L3/L5: 109°	L1/L4: 105° L3/L5: 109°	101°	2.8mm: 102° 3.6mm: 84° 6mm: 52° 8mm: 40°	101°
Min. Illumination	0.005 Lux@F2.0 (Color, 30 IRE) 0.0005 Lux@F2.0 (B/W, 30 IRE)	0.005 Lux@F2.0 (Color, 30 IRE) 0.0005 Lux@F2.0 (B/W, 30 IRE)	0.005 Lux@F2.0 (Color, 30IRE) 0.0005 Lux@F2.0 (B/W, 30IRE)	0.002 Lux@F1.6 (Color, 30IRE) 0.0002 Lux@F1.6 (B/W, 30IRE)	0.005 Lux@F2.0 (Color, 30IRE) 0.0005 Lux@F2.0 (B/W, 30IRE)
Day/Night	Color/B/W	Color/B/W	Color/B/W	Color/B/W	Color/B/W
WDR	120 dB	120 dB	120 dB	120 dB	120 dB
Illumination Distance	--	--	--	--	--
Video Compression	H.265; H.264; H.264H; H.264B; MJPEG (Only supported by the sub stream)	H.265; H.264; H.264H; H.264B; MJPEG (Only supported by the sub stream)	--	--	--
Smart Codec	Smart H265+/H264+	Smart H265+/H264+		--	--
Max. Resolution	1080P (1920×1080)	1080P (1920×1080)	--	--	--
Frame Rate	25/30fps@1080P	25/30fps@1080P	--	--	--
Multi-streaming	3 streams	2 streams	--	--	--
Compatibility	ONVIF (Profile S&G&T); CGI	ONVIF (Profile S&G&T); CGI	--	--	--
Audio In/Out	1/1	1/1	--	--	--
Memory Slot	Micro SD, Max. 256GB	Micro SD, Max. 256GB	--	--	--
Alarm In/Out	2/2	2/2	--	--	--
Ingress Protection	--	--	--	IP67	--
Working Temperature	-40 °C~+60 °C (-40 °F~+140 °F)	-40 °C~+60 °C (-40 °F~+140 °F)	-40 °C~+60 °C (-40 °F~+140 °F)	-40 °C~+60 °C (-40 °F~+140 °F)	-40 °C~+60 °C (-40 °F~+140 °F)
Power	12V DC/PoE, Max. 4.5W	12V DC/PoE, Max. 5.5W	--	--	--
Artificial Intelligence					
Face Detection	Supported	Supported	--	--	--
Perimeter Protection	Intrusion, tripwire, fast moving (the three functions support the classification and accurate detection of vehicle and human targets); loitering detection, people gathering, and parking detection	Intrusion, tripwire, fast moving (the three functions support the classification and accurate detection of vehicle and human targets); loitering detection, people gathering, and parking detection	--	--	--
Smart Object Detection	Supported	Supported	--	--	--

NETWORK CAMERAS

Special Series

	Pinhole Camera				
Model	IPC-HUM8441-L5	IPC-HUM8241-L1	IPC-HUM8241E-L3-S2	IPC-HUM8231-L4	IPC-HUM8241-L5
Appearance	Starlight	Starlight	Starlight+	Starlight	Starlight
Image Sensor	1/2.7" 4MP CMOS	1/2.8" 2MP CMOS	1/2.8" 2MP CMOS	1/2.8" 2MP CMOS	1/2.8" 2MP CMOS
Focal Length	2.8mm/F2.0	2.8mm/F2.0	2.8/3.6/6/8mm /F1.6	2.8mm/F2.0	2.8mm /F2.0
FOV-H	105°	105°	2.8mm: 109° 3.6mm: 88° 6mm: 54° 8mm: 42°	105°	109°
Min. Illumination	0.005 Lux@F2.0 (Color, 30IRE) 0.0005 Lux@F2.0 (B/W, 30IRE)	0.005 Lux@F2.0 (Color, 30IRE) 0.0005 Lux@F2.0 (B/W, 30IRE)	0.002 lux@F1.6 (Color, 30 IRE) 0.0002 lux@F1.6 (B/W, 30 IRE)	0.005 Lux@F2.0 (Color, 30IRE) 0.0005 Lux@F2.0 (B/W, 30IRE)	0.005 Lux@F2.0 (Color, 30IRE) 0.0005 Lux@F2.0 (B/W, 30IRE)
Day/Night	Color/B/W	Color/B/W	Color/B/W	Color/B/W	Color/B/W
WDR	120 dB	120 dB	120 dB	120 dB	120 dB
Illumination Distance	--	--	--	--	--
Video Compression	--	--	--	--	--
Smart Codec	--	--	--	--	--
Max. Resolution	--	--	--	--	--
Frame Rate	--	--	--	--	--
Multi-streaming	--	--	--	--	--
Compatibility	--	--	--	--	--
Audio In/Out	--	--	--	--	--
Memory Slot	--	--	--	--	--
Alarm In/Out	--	--	--	--	--
Ingress Protection	--	--	IP67	--	--
Working Temperature	-40°C ~+60°C (-40°F ~+140°F)	-40°C ~+60°C (-40°F~+140°F)	-40°C ~+60°C (-40°F~+140°F)	-40°C ~+60°C (-40°F~+140°F)	-40°C ~+60°C (-40°F~+140°F)
Power	--	--	--	--	--

NETWORK CAMERAS

Special Series

	Pinhole Camera				Macro Reading Camera
Model	IPC-HUM4231S-L4	IPC-HUM4231S-L5	IPC-HUM4431S-L4	IPC-HUM4431S-L5	IPC-HUM8531M-V-LED
Appearance	Starlight	Starlight	Starlight	Starlight	Starlight
Image Sensor	1/3" 2MP CMOS	1/3" 2MP CMOS	1/3" 4MP CMOS	1/3" 4MP CMOS	1/2.7" 5MP CMOS
Focal Length	2.8mm/F2.0	2.8mm/3.6mm/F1.6	2.8mm/F2.0	2.8mm/3.6mm/F1.6	3.6 mm/F2.0
FOV-H	96°	2.8 mm: 95°; 3.6 mm: 78°	96°	2.8 mm: 95°; 3.6 mm: 78°	79.6°
Min. Illumination	0.01 lux@F2.0 (Color, 30 IRE) 0.001 lux@F2.0 (B/W, 30 IRE)	0.01 lux@F1.6 (Color, 30 IRE) 0.001 lux@F1.6 (B/W, 30 IRE)	0.01 lux@F2.0 (Color, 30 IRE) 0.001 lux@F2.0 (B/W, 30 IRE)	0.01 lux@F1.6 (Color, 30 IRE) 0.001 lux@F1.6 (B/W, 30 IRE)	0.02 lux@F2.0 (Color, 30 IRE) 0.0002 lux@F2.0 (B/W, 30 IRE) 0 lux (Illuminator on)
Day/Night	Color/B/W	Color/B/W	Color/B/W	Color/B/W	Color/B/W
WDR	120dB	120dB	120dB	120dB	120dB
Illumination Distance	--	--	--	--	0.5 m (1.64 ft)
Video Compression	H.265; H.264; H.264B; MJPEG (Only supported by the sub stream)	H.265; H.264; H.264B; MJPEG (Only supported by the sub stream)	H.265; H.264; H.264B; MJPEG (Only supported by the sub stream)	H.265; H.264; H.264B; MJPEG (Only supported by the sub stream)	H.265; H.264; H.264H; H.264B; MJPEG (Only supported by the sub stream)
Smart Codec	Smart H265+/H264+	Smart H265+/H264+	Smart H265+/H264+	Smart H265+/H264+	Smart H265+/H264+
Max. Resolution	1080P (1920×1080)	1080P (1920×1080)	4MP (2688×1520)	4MP (2688×1520)	5 MP (2560×1920)
Frame Rate	25/30fps@1080P	25/30fps@1080P	25/30fps@4MP	25/30fps@4MP	25/30fps@5MP
Multi-streaming	2 streams	2 streams	2 streams	2 streams	2 streams
Compatibility	ONVIF (Profile S&G&T); CGI	ONVIF (Profile S&G&T); CGI	ONVIF (Profile S&G&T); CGI	ONVIF (Profile S&G&T); CGI	ONVIF (Profile S&G&T); CGI
Audio In/Out	1/1; Built-in Mic	1/1; Built-in Mic	1/1; Built-in Mic	1/1; Built-in Mic	Built-in Mic
Memory Slot	--	--	--	--	Micro SD, Max. 256GB
Alarm In/Out	--	--	--	--	--
Ingress Protection	--	--	--	--	IP67
Working Temperature	-40°C ~+60°C (-40°F~+140°F)	-40°C ~+60°C (-40°F~+140°F)	-40°C ~+60°C (-40°F~+140°F)	-40°C ~+60°C (-40°F~+140°F)	-40°C ~+60°C (-40°F~+140°F)
Power	12V DC, Max. 1.56W	12V DC, Max. 1.56W	12V DC, Max. 1.8W	12V DC, Max. 1.8W	12V DC/PoE, Max. 5.8W
Artificial Intelligence					
Face Detection	--	--	--	--	--
Perimeter Protection	--	--	--	--	--
General Intelligence					
IVS	Intrusion; Tripwire	Intrusion; Tripwire	Intrusion; Tripwire	Intrusion; Tripwire	--

NETWORK PTZ CAMERAS

WizMind Series PTZ Camera

The WizMind Series PTZ cameras adopt advanced AI technologies including deep learning algorithms that primarily focus on people and vehicles, providing higher flexibility and accuracy for end-users. Equipped with intelligent features including Perimeter Protection, Metadata, and Face Recognition, it provides potential risk prevention and real-time event alarm.

Face Recognition

It provides highly accurate detection and recognition using advanced AI technology.

Auto Tracking

Auto tracking supports target classification tracking.

Video Metadata

Attribute information are extracted from targets, including human body, human face, as well as motor and non-motor vehicles.

OIS

Large Optical Zoom with Optical Image Stabilization offers better performance.

NETWORK PTZ CAMERAS

WizMind Series

Panoramic & Detail Camera

Model	SDT8C442-4P-GA-APV-0280		SDT8C842-8P-FA-APV-0280	
Appearance				
	Panoramic	Detail	Panoramic	Detail
Image Sensor	1/1.8'' 8MP CMOS	1/1.8'' 8MP CMOS	1/1.8'' 8MP CMOS	1/1.8'' 8MP CMOS
Lens	2.8 mm	5.5 mm ~ 231 mm (42x Optical zoom)	2.8 mm	5.5 mm ~ 231 mm (42x Optical zoom)
FOV-H	200°	61.8° ~ 2.2°	200°	58° ~ 2.2°
Min. Illumination	0.001Lux/F1.0 (Color) 0Lux/F1.6 (IR on)	0.001Lux/F1.6 (Color) 0Lux/F1.6 (IR on)	0.001Lux/F1.0 (Color) 0Lux/F1.6 (IR on)	0.005Lux/F1.4 (Color) 0Lux/F1.4 (IR on)
WDR	DWDR	120dB	DWDR	120dB
Max. IR Distance	30m (98.43 ft)	300 m (984 ft)	30m (98.43 ft)	300 m (984 ft)
Video Compression	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264
Max. Resolution	4MP (3840×1080)	4MP (2560×1440)	8MP (5376×2560)	8MP (3840×2160)
Frame Rate	30fps@4MP	30fps@4MP	30fps@8MP	30fps@8MP
Multi-streaming	3 streams	3 streams	3 streams	3 streams
Pan/Tilt	Tilt: 5°~17°	Pan: 0°~360° endless; Tilt:-30°~90°	Tilt: 5°~17°	Pan: 0°~360° endless; Tilt:-30°~90°
Preset Speed	Pan: 240° /s; Tilt: 100° /s	Pan: 240° /s; Tilt: 100° /s	Pan: 240° /s; Tilt: 100° /s	Pan: 240° /s; Tilt: 100° /s
Compatibility	ONVIF (Profile S&G&T), CGI, SDK	ONVIF (Profile S&G&T), CGI, SDK	ONVIF (Profile S&G&T), CGI, SDK	ONVIF (Profile S&G&T), CGI, SDK
Audio In/Out	1/1	1/1	1/1	1/1
Memory Slot	Micro SD, Max.512GB	Micro SD, Max.512GB	Micro SD, Max.512GB	Micro SD, Max.512GB
Alarm In/Out	7/2	7/2	7/2	7/2
Ingress Protection	IP67	IP67	IP67	IP67
Working Temperature	-40°C~+70°C (-40°F~+158°F)	-40°C~+70°C (-40°F~+158°F)	-40°C~+70°C (-40°F~+158°F)	-40°C~+70°C (-40°F~+158°F)
Power	DC36V/PoE(802.3 bt), Max. 48W	DC36V/PoE(802.3 bt), Max. 48W	DC36V, Max. 58W	DC36V, Max. 58W
Artificial Intelligence				
Perimeter Protection	Tripwire; intrusion; climbing fences; loitering detection; abandoned/missing object; fast moving; parking detection; people gathering; vehicle/human alarm classification	Tripwire; intrusion; climbing fences; loitering detection; abandoned/missing object; fast moving; parking detection; people gathering; vehicle/human alarm classification	Tripwire; intrusion; climbing fences; loitering detection; abandoned/missing object; fast moving; parking detection; people gathering; vehicle/human alarm classification	Tripwire; intrusion; climbing fences; loitering detection; abandoned/missing object; fast moving; parking detection; people gathering; vehicle/human alarm classification
Auto Tracking	--	Auto Tracking 3.0	--	Auto Tracking 3.0
Video Metadata	--	Supported	Supported	Supported
Face Recognition	--	--	Supported	Supported
Face Detection	--	Supported	--	--
Illegal Parking Detection	--	--	--	--
Checkpoint Capturing	--	--	--	--
Traffic Event	--	--	--	--

NETWORK PTZ CAMERAS

WizMind Series

	Panoramic & Detail Camera					
Model	SDT5X425-Z4Z-FA-2812		SDT5X425-Z4Z-FA-0832		SDT5X405-4F-FA-0600	
Appearance	WizMind H.265+ Starlight+		WizMind H.265+ Starlight		WizMind H.265+ Starlight	
	Panoramic	Detail	Panoramic	Detail	Panoramic	Detail
Image Sensor	1/1.8'' 4MP CMOS	1/1.8'' 4MP CMOS	1/1.8'' 4MP CMOS	1/1.8'' 4MP CMOS	1/1.8'' 4MP CMOS	1/1.8'' 4MP CMOS
Lens	2.8mm~12mm (4x Optical zoom)	5.4mm~135mm (25x Optical zoom)	8mm–32mm (4x Optical zoom)	5.4mm–135mm (25x Optical zoom)	6mm	10mm~50mm (5x Optical zoom)
FOV-H	99.2°~45.8°	58°~3.5°	42°~15°	58°~3.5°	57°	45°~10°
Min. Illumination	0.001Lux/F1.3 (Color) 0.0001Lux/F1.3 (B/W)	0.001Lux/F1.6 (Color) 0Lux/F1.6 (IR on)	0.001Lux/F1.6 (Color) 0.0001Lux/F1.6 (B/W)	0.001Lux/F1.6 (Color) 0Lux/F1.6 (IR on)	0.001Lux/F1.0 (Color) 0.0001Lux/F1.0 (B/W)	0.001Lux/F1.35 (Color) 0Lux/F1.35 (IR on)
WDR	120dB	120dB	120dB	120dB	120dB	120dB
Max. IR Distance	30m (98.43 ft)	100m (328.08 ft)	30m (98.43 ft)	100m (328.08 ft)	30m (98.43 ft)	100 m (328.08 ft)
Video Compression	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264
Max. Resolution	4MP (2560×1440)	4MP (2560×1440)	4MP (2560×1440)	4MP (2560×1440)	4MP (2688×1520)	4MP (2688×1520)
Frame Rate	30fps@4MP	30fps@4MP	30fps@4MP	30fps@4MP	30fps@4MP	30fps@4MP
Multi-streaming	3 streams	3 streams	3 streams	3 streams	3 streams	3 streams
Pan/Tilt	Pan: 0°~360° endless; Tilt: 0°~30°	Pan: 0°~305° ; Tilt:-10°~90°	Pan: 0°~360° endless; Tilt: 0°~30°	Pan: 0°~305° ; Tilt:-10°~90°	Pan: 0°~360° endless; Tilt: 0°~30°	Pan: 0°~305° ; Tilt:-10°~90°
Preset Speed	Pan: 100°/s; Tilt: 50°/s	Pan: 360°/s; Tilt: 200°/s	Pan: 100°/s; Tilt: 50°/s	Pan: 360°/s; Tilt: 200°/s	Pan: 100°/s; Tilt: 50°/s	Pan: 360°/s; Tilt: 200°/s
Compatibility	ONVIF (Profile S&G&T); CGI	ONVIF (Profile S&G&T); CGI	ONVIF (Profile S&G&T); CGI	ONVIF (Profile S&G&T); CGI	ONVIF (Profile S&G&T); CGI	ONVIF (Profile S&G&T); CGI
Audio In/Out	1/1	1/1	1/1	1/1	1/1	1/1
Memory Slot	Micro SD, Max. 512GB	Micro SD, Max. 512GB	Micro SD, Max. 512GB	Micro SD, Max. 512GB	Micro SD, Max. 512GB	Micro SD, Max. 512GB
Alarm In/Out	2/1	2/1	2/1	2/1	2/1	2/1
Ingress Protection	IP67	IP67	IP67	IP67	IP67	IP67
Working Temperature	-40°C~+65°C (-40°F~+149°F)	-40°C~+65°C (-40°F~+149°F)	-40°C~+65°C (-40°F~+149°F)	-40°C~+65°C (-40°F~+149°F)	-40°C~+65°C (-40°F~+149°F)	-40°C~+65°C (-40°F~+149°F)
Power	DC36V, Hi-PoE, Max. 40W	DC36V, Hi-PoE, Max. 40W	DC36V, Hi-PoE, Max. 40W	DC36V, Hi-PoE, Max. 40W	DC36V, POE+(802.3at), Max.40W	DC36V, POE+(802.3at), Max.40W
Artificial Intelligence						
Perimeter Protection	Tripwire; intrusion; climbing fences; loitering detection; abandoned/ missing object; fast moving; parking detection; people gathering; vehicle/ human alarm classification	Tripwire; intrusion; climbing fences; loitering detection; abandoned/ missing object; fast moving; parking detection; people gathering; vehicle/ human alarm classification	Tripwire; intrusion; climbing fences; loitering detection; abandoned/ missing object; fast moving; parking detection; people gathering; vehicle/ human alarm classification	Tripwire; intrusion; climbing fences; loitering detection; abandoned/ missing object; fast moving; parking detection; people gathering; vehicle/ human alarm classification	Tripwire; intrusion; climbing fences; loitering detection; abandoned/ missing object; fast moving; parking detection; people gathering; vehicle/ human alarm classification	Tripwire; intrusion; climbing fences; loitering detection; abandoned/ missing object; fast moving; parking detection; people gathering; vehicle/ human alarm classification
Auto Tracking	Auto Tracking 3.0	Auto Tracking 3.0	Auto Tracking 3.0	Auto Tracking 3.0	Auto Tracking 3.0	Auto Tracking 3.0
Video Metadata	Supported	Supported	Supported	Supported	Supported	Supported
Face Recognition	Supported	Supported	Supported	Supported	Supported	Supported
Face Detection	--	--	--	--	--	--
Illegal Parking Detection	--	--	--	--	--	--
Checkpoint Capturing	--	--	--	--	--	--
Traffic Event	--	--	--	--	--	--

NETWORK PTZ CAMERAS

WizMind Series

Panoramic & Detail Camera for Traffic

Model	SDT5X425-4Z4-FAJG-2812		SDT5X425-4Z4-FAJG-PV-0832	
Appearance	WizMind H.265+ Starlight		WizMind H.265+ Starlight	
	Panoramic	Detail	Panoramic	Detail
Image Sensor	1/1.8'' 4MP CMOS	1/1.8'' 4MP CMOS	1/1.8'' 4MP CMOS	1/1.8'' 4MP CMOS
Lens	2.8mm~12mm (4x Optical zoom)	5.4mm~135mm (25x Optical zoom)	8mm~32mm (4x Optical zoom)	5.4mm~135mm (25x Optical zoom)
FOV-H	99.2°~45.8°	58°~3.5°	42°~15°	58°~3.5°
Min. Illumination	0.001Lux/F1.6 (Color) 0.0001Lux/F1.6 (B/W)	0.001Lux/F1.6 (Color) 0Lux/F1.6 (IR on)	0.001Lux/F1.6 (Color) 0.0001Lux/F1.6 (B/W)	0.001Lux/F1.6 (Color) 0Lux/F1.6 (IR on)
WDR	120dB	120dB	120dB	120dB
Max. IR Distance	30m (98.43 ft)	100m (328.08 ft)	30m (98.43 ft)	100m (328.08 ft)
Video Compression	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264
Max. Resolution	4MP (2560×1440)	4MP (2560×1440)	4MP (2560×1440)	4MP (2560×1440)
Frame Rate	30fps@4MP	30fps@4MP	30fps@4MP	30fps@4MP
Multi-streaming	3 streams	3 streams	3 streams	3 streams
Pan/Tilt	Pan: 0°~360° endless Tilt: 0°~30°	Pan: 0°~ 305° Tilt:-10°~ 180°	Pan: 0°~360° endless Tilt: 0°~30°	Pan: 0°~ 305° Tilt:-10°~ 180°
Preset Speed	Pan: 100°/s; Tilt: 25°/s	Pan: 100°/s; Tilt: 25°/s	Pan: 100°/s; Tilt: 25°/s	Pan: 100°/s; Tilt: 25°/s
Compatibility	ONVIF (Profile S&G&T), CGI, SDK	ONVIF (Profile S&G&T), CGI, SDK	ONVIF (Profile S&G&T), CGI	ONVIF (Profile S&G&T), CGI
Audio In/Out	1/1	1/1	1/1	1/1
Memory Slot	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB
Alarm In/Out	1/1	1/1	1/1	1/1
Ingress Protection	IP67	IP67	IP67	IP67
Working Temperature	-40°C~+70°C (-40°F~+158°F)	-40°C~+70°C (-40°F~+158°F)	-40°C~+70°C (-40°F~+158°F)	-40°C~+70°C (-40°F~+158°F)
Power	DC36V, Hi-PoE, Max. 40W	DC36V, Hi-PoE, Max. 40W	DC36V, Hi-PoE, Max. 40W	DC36V, Hi-PoE, Max. 40W
Artificial Intelligence				
Perimeter Protection	--	--	--	--
Auto Tracking	--	--	--	--
Video Metadata	--	--	--	--
Face Recognition	--	--	--	--
Face Detection	--	--	--	--
Illegal Parking Detection	Supported	Supported	Supported	Supported
Checkpoint Capturing	Supported	Supported	Supported	Supported
Traffic Event	--	--	--	--

NETWORK PTZ CAMERAS

WizMind Series

Panoramic & Detail Camera

Model	SDT6C425-4P-GB-APV-0280		SDT6C432-4P-GB-APV-0280	
Appearance				
	Panoramic	Detail	Panoramic	Detail
Image Sensor	1/2.8" 4MP STARVIS™ CMOS	1/2.8" 4MP STARVIS™ CMOS	1/2.8" 4MP STARVIS™ CMOS	1/2.8" 4MP STARVIS™ CMOS
Lens	2.8mm	5.5mm~96.4mm (25x Optical zoom)	2.8mm	4.8mm~154mm (32x Optical zoom)
FOV-H	180°	45°~10°	180°	53.1°~3.4°
Min. Illumination	0.005Lux/F1.0 (Color) 0.0001Lux/F1.0 (B/W)	0.005Lux/F1.6 (Color) 0Lux/F1.6 (IR on)	0.005Lux/F1.0 (Color) 0.0001Lux/F1.0 (B/W)	0.005Lux/F1.6 (Color) 0Lux/F1.6 (IR on)
WDR	120dB	120dB	120dB	120dB
Max. IR Distance	30m (98.43 ft)	200m (656.16 ft)	30m (98.43 ft)	200m (656.16 ft)
Video Compression	H.265+/H.265 H.264+/H.264	H.265+/H.265 H.264+/H.264	H.265+/H.265 H.264+/H.264	H.265+/H.265 H.264+/H.264
Max. Resolution	4MP (2688×1520)	4MP (2688×1520)	4MP (2688×1520)	4MP (2688×1520)
Frame Rate	30fps@4MP	30fps@4MP	30fps@4MP	30fps@4MP
Multi-streaming	3 streams	3 streams	3 streams	3 streams
Pan/Tilt	--	Pan: 0°~250° Tilt: -10°~90°	--	Pan: 0°~250° Tilt: -10°~90°
Preset Speed	Pan: 100°/s; Tilt: 25°/s	Pan: 120° /s; Tilt: 50° /s	Pan: 100°/s; Tilt: 25°/s	Pan: 120° /s; Tilt: 50° /s
Compatibility	ONVIF (Profile S&G&T), CGI, SDK	ONVIF (Profile S&G&T), CGI, SDK	ONVIF (Profile S&G&T), CGI, SDK	ONVIF (Profile S&G&T), CGI, SDK
Audio In/Out	1/1	1/1	1/1	1/1
Memory Slot	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB
Alarm In/Out	2/1	2/1	2/1	2/1
Ingress Protection	IP66	IP66	IP66	IP66
Working Temperature	-40°C~+70°C (-40°F~+158°F)	-40°C~+70°C (-40°F~+158°F)	-40°C~+70°C (-40°F~+158°F)	-40°C~+70°C (-40°F~+158°F)
Power	DC36V, Max.35W	DC36V, Max.35W	DC36V, Max.35W	DC36V, Max.35W
Artificial Intelligence				
Perimeter Protection	Tripwire; intrusion; climbing fences; loitering detection; abandoned/missing object; fast moving; parking detection; people gathering; vehicle/human alarm classification	Tripwire; intrusion; climbing fences; loitering detection; abandoned/missing object; fast moving; parking detection; people gathering; vehicle/human alarm classification	Tripwire; intrusion; climbing fences; loitering detection; abandoned/missing object; fast moving; parking detection; people gathering; vehicle/human alarm classification	Tripwire; intrusion; climbing fences; loitering detection; abandoned/missing object; fast moving; parking detection; people gathering; vehicle/human alarm classification
Auto Tracking	--	Auto Tracking 3.0	--	Auto Tracking 3.0
Video Metadata	--	--	--	--
Face Recognition	--	--	--	--
Face Detection	--	Supported	--	Supported
Illegal Parking Detection	--	--	--	--
Checkpoint Capturing	--	--	--	--
Traffic Event	--	--	--	--

NETWORK PTZ CAMERAS

WizMind Series

	IR PTZ Camera				
Model	SD8C845FG-HNF	SD8C260PA1-HNF	SD8C448PA1-HNF	SD8C848PA1-HNF	SD8C260PA-HNF
Appearance					
Image Sensor	1/1.2" 8MP STARVIS™ CMOS	1/1.8" 2MP STARVIS™ CMOS	1/1.8" 4MP STARVIS™ CMOS	1/1.8" 4MP STARVIS™ CMOS	1/1.8" 2MP STARVIS™ CMOS
Lens	8mm~360mm (45x Optical zoom)	5.6mm~336mm (60x Optical zoom)	6.25mm~300mm (48x Optical zoom)	6.25mm~300mm (48x Optical zoom)	5.6mm~336mm (60x Optical zoom)
FOV-H	61.5°~2.1°	56.4°~1.2°	64.6°~1.5°	64.6°~1.5°	56.4°~1.2°
Min. Illumination	0.0005Lux/F1.5 (Color) 0Lux/F1.5 (IR on)	0.005Lux/F1.4 (Color) 0Lux/F1.4 (IR on)	0.005Lux/F1.4 (Color) 0Lux/F1.4 (IR on)	0.005Lux/F1.4 (Color) 0Lux/F1.4 (IR on)	0.005Lux/F1.4 (Color) 0Lux/F1.4 (IR on)
WDR	120dB	120dB	120dB	120dB	120dB
Max. IR Distance	250m (820.21 ft)	500m (1640 ft)	500m (1640 ft)	500m (1640 ft)	250m (820.21 ft)
Video Compression	H.265+/H.265 H.264+/H.264	H.265+/H.265 H.264+/H.264	H.265+/H.265 H.264+/H.264	H.265+/H.265 H.264+/H.264	H.265+/H.265 H.264+/H.264
Max. Resolution	4K (3840×2160)	2MP (1920×1080)	4MP (2560×1440)	4K (3840×2160)	2MP(1920×1080)
Frame Rate	30fps@4K	30fps@2MP	60fps@4M	30fps@4K	30fps@2MP
Multi-streaming	3 streams	3 streams	3 streams	3 streams	3 streams
Pan/Tilt	Pan: 0°~360° endless Tilt:-20°~90°	Pan: 0°~360° endless Tilt:-20°~90°	Pan: 0°~360° endless Tilt:-20°~90°	Pan: 0°~360° endless Tilt:-20°~90°	Pan: 0°~360° endless Tilt:-20°~90°
Preset Speed	Pan: 240° /s; Tilt: 100° /s	Pan: 240° /s; Tilt: 100° /s	Pan: 240° /s; Tilt: 100° /s	Pan: 240° /s; Tilt: 100° /s	Pan: 240° /s; Tilt: 100° /s
Compatibility	ONVIF (Profile S&G&T), CGI, SDK	ONVIF (Profile S&G&T), CGI, SDK	ONVIF (Profile S&G&T), CGI, SDK	ONVIF (Profile S&G&T), CGI, SDK	ONVIF (Profile S&G&T), CGI, SDK
Audio In/Out	1/1	1/1	1/1	1/1	1/1
Memory Slot	Micro SD, Max. 512GB	Micro SD, Max. 512GB	Micro SD, Max. 512GB	Micro SD, Max. 512GB	Micro SD, Max. 512GB
Alarm In/Out	7/2	7/2	7/2	7/2	7/2
Ingress Protection	IP67	IP67	IP67	IP67	IP67
Working Temperature	-40°C~+70°C (-40°F~+158°F)	-40°C~+70°C (-40°F~+158°F)	-40°C~+70°C (-40°F~+158°F)	-40°C~+70°C (-40°F~+158°F)	-40°C~+70°C (-40°F~+158°F)
Power	DC36V,Hi-POE, Max.33W	DC36V,Hi-POE, Max.33W	DC36V,Hi-POE, Max.33W	DC36V,Hi-POE, Max.33W	DC36V,Hi-POE, Max.33W
Artificial Intelligence					
Perimeter Protection	Tripwire; intrusion; climbing fences; loitering detection; abandoned/missing object; fast moving; parking detection; people gathering; vehicle/human alarm classification	Tripwire; intrusion; climbing fences; loitering detection; abandoned/missing object; fast moving; parking detection; people gathering; vehicle/human alarm classification	Tripwire; intrusion; climbing fences; loitering detection; abandoned/missing object; fast moving; parking detection; people gathering; vehicle/human alarm classification	Tripwire; intrusion; climbing fences; loitering detection; abandoned/missing object; fast moving; parking detection; people gathering; vehicle/human alarm classification	Tripwire; intrusion; climbing fences; loitering detection; abandoned/missing object; fast moving; parking detection; people gathering; vehicle/human alarm classification
Auto Tracking	Auto Tracking 3.0	Auto Tracking 3.0	Auto Tracking 3.0	Auto Tracking 3.0	Auto Tracking 3.0
Video Metadata	Supported	Supported	Supported	Supported	Supported
Face Recognition	Supported	Supported	Supported	Supported	Supported
Face Detection	--	--	--	--	--
Boat Detection	--	--	--	--	--
Water Level Detection	--	--	--	--	--
Floating Object Detection	--	--	--	--	--
Illegal Parking Detection	--	--	--	--	--
Checkpoint Capturing	--	--	--	--	--
Traffic Event	--	--	--	--	--

NETWORK PTZ CAMERAS

WizMind Series

	IR PTZ Camera				
Model	SD8C448PA-HNF	SD8C848PA-HNF	SD8C440FD-HNF	SD8A840-HNF-PA	SD8A440-HNF-PA
Appearance					
Image Sensor	1/1.8" 4MP STARVIS™ CMOS	1/1.8" 8MP STARVIS™ CMOS	1/1.8" 8MP STARVIS™ CMOS, Dual-Sensors	1/1.8" 8MP STARVIS™ CMOS	1/1.8" 4MP STARVIS™ CMOS
Lens	6.25mm~300mm (48x Optical zoom)	6.25mm~300mm (48x Optical zoom)	6mm~240mm (40x Optical Zoom)	5.6mm~223mm (40x Optical zoom)	5.6mm~223mm (40x Optical zoom)
FOV-H	64.6°~1.5°	64.6°~1.5°	63.5°~1.8°	63.9°~2.0°	63.9°~2.0°
Min. Illumination	0.005Lux/F1.4 (Color) 0Lux/F1.4 (IR on)	0.005Lux/F1.4 (Color) 0Lux/F1.4 (IR on)	0.0002Lux/F1.4 (Color) 0Lux/F1.4 (IR on)	0.005Lux/F1.4 (Color) 0Lux/F1.4 (IR on)	0.001Lux/F1.4 (Color) 0Lux/F1.4 (IR on)
WDR	120dB	120dB	120dB	120dB	120dB
Max. IR Distance	250m (820.21 ft)	250m (820.21 ft)	250m (820.21 ft)	500m (1640ft)	500m (1640ft)
Video Compression	H.265+/H.265 H.264+/H.264	H.265+/H.265 H.264+/H.264	H.265+/H.265 H.264+/H.264	H.265+/H.265 H.264+/H.264	H.265+/H.265 H.264+/H.264
Max. Resolution	4MP (2560×1440)	4K (3840×2160)	4MP (2560×1440)	4K (3840×2160)	4MP (2560 x 1440)
Frame Rate	60fps@4M	30fps@4K	30fps/4M	30fps@4K	30fps@4MP
Multi-streaming	3 streams	3 streams	3 streams	3 streams	3 streams
Pan/Tilt	Pan: 0°~360° endless Tilt: -20°~90°	Pan: 0°~360° endless Tilt: -20°~90°	Pan: 0°~360° endless Tilt: -20°~90°	Pan: 0°~360° endless Tilt: -30°~90°	Pan: 0°~360° endless Tilt: -30°~90°
Preset Speed	Pan: 240° /s; Tilt: 100° /s	Pan: 240° /s; Tilt: 100° /s	Pan: 240° /s; Tilt: 100° /s	Pan: 240°/s; Tilt: 120°/s	Pan: 240°/s; Tilt: 120°/s
Compatibility	ONVIF (Profile S&G&T), CGI, SDK	ONVIF (Profile S&G&T), CGI, SDK	ONVIF (Profile S&G&T), CGI, SDK	ONVIF (Profile S&G&T), CGI, SDK	ONVIF (Profile S&G&T), CGI, SDK
Audio In/Out	1/1	1/1	1/1	1/1	1/1
Memory Slot	Micro SD, Max. 512GB	Micro SD, Max. 512GB	Micro SD, Max. 512GB	Micro SD, Max. 512GB	Micro SD, Max. 512GB
Alarm In/Out	7/2	7/2	7/2	7/2	7/2
Ingress Protection	IP67	IP67	IP67	IP67	IP67
Working Temperature	-40°C~+70°C (-40°F~+158°F)	-40°C~+70°C (-40°F~+158°F)	-40°C~+70°C (-40°F~+158°F)	-40°C~+70°C (-40°F~+158°F)	-40°C~+70°C (-40°F~+158°F)
Power	DC36V, Hi-POE, Max.33W	DC36V, Hi-POE, Max.33W	DC36V, Hi-POE, Max.33W	DC36V, Hi-POE, Max.48W	DC36V, Hi-POE, Max.48W
Artificial Intelligence					
Perimeter Protection	Tripwire; intrusion; climbing fences; loitering detection; abandoned/missing object; fast moving; parking detection; people gathering; vehicle/human alarm classification	Tripwire; intrusion; climbing fences; loitering detection; abandoned/missing object; fast moving; parking detection; people gathering; vehicle/human alarm classification	Tripwire; intrusion; climbing fences; loitering detection; abandoned/missing object; fast moving; parking detection; people gathering; vehicle/human alarm classification	Tripwire; intrusion; climbing fences; loitering detection; abandoned/missing object; fast moving; parking detection; people gathering; vehicle/human alarm classification	Tripwire; intrusion; climbing fences; loitering detection; abandoned/missing object; fast moving; parking detection; people gathering; vehicle/human alarm classification
Auto Tracking	Auto Tracking 3.0	Auto Tracking 3.0	Auto Tracking 3.0	Auto Tracking 3.0	Auto Tracking 3.0
Video Metadata	Supported	Supported	Supported	Supported	Supported
Face Recognition	Supported	Supported	Supported	Supported	Supported
Face Detection	--	--	--	--	--
Boat Detection	--	--	--	--	--
Water Level Detection	--	--	--	--	--
Floating Object Detection	--	--	--	--	--
Illegal Parking Detection	--	--	--	--	--
Checkpoint Capturing	--	--	--	--	--
Traffic Event	--	--	--	--	--

NETWORK PTZ CAMERAS

WizMind Series

	IR PTZ Camera				
Model	SD8A845QA-HNF	SD8A440GA-HNV	SD8A3440GA-HNV	SD8A840PA-HNF-5G	SD8A440PA-HNF-5G
Appearance					
Image Sensor	1/1.8" 8MP STARVIS™ CMOS	1/1.8" 4MP STARVIS™ CMOS	1/1.8" 4MP STARVIS™ CMOS	1/1.8" 8MP STARVIS™ CMOS	1/1.8" 4MP STARVIS™ CMOS
Lens	5.5mm–248mm (45x Optical zoom)	5.6mm~223mm (40x Optical zoom)	5.6mm~223mm (40x Optical zoom)	5.6mm~223mm (40x Optical zoom)	5.6mm~223mm (40x Optical zoom)
FOV-H	64.4°~2.0°	63.9°~2.1°	63.9°~2.1°	61.8°~2.2°	61.8°~2.2°
Min. Illumination	0.005Lux/F1.5(Color) 0Lux/F1.5 (IR on)	0.001Lux/F1.6 (Color) 0Lux/F1.6 (IR on)	0.001Lux/F1.6 (Color) 0Lux/F1.6 (IR on)	0.001Lux/F1.4 (Color) 0Lux/F1.4 (IR on)	0.001Lux/F1.4 (Color) 0Lux/F1.4 (IR on)
WDR	120 dB	120dB	120dB	120dB	120dB
Max. IR Distance	500m (1640ft)	500m (1640ft)	500m (1640ft)	500m (1640ft)	500m (1640ft)
Video Compression	H.265+/H.265 H.264+/H.264	H.265+/H.265 H.264+/H.264	H.265+/H.265 H.264+/H.264	H.265+/H.265 H.264+/H.264	H.265+/H.265 H.264+/H.264
Max. Resolution	4K (3840×2160)	4MP (2560×1440)	4MP (2560×1440)	4K (3840×2160)	4MP (2560×1440)
Frame Rate	30fps@4K	30fps@4MP	30fps@4MP	30fps@4MP	30fps@4MP
Multi-streaming	3 streams	3 streams	3 streams	3 streams	3 streams
Pan/Tilt	Pan: 0°~360° endless Tilt:-30°~90°	Pan: 0°~360° endless Tilt:-30°~90°	Pan: 0°~360° endless Tilt:-30°~90°	Pan: 0°~360° endless Tilt:-30°~90°	Pan: 0°~360° endless Tilt:-30°~90°
Preset Speed	Pan: 240°/s; Tilt: 120°/s	Pan: 240°/s; Tilt: 100°/s	Pan: 240°/s; Tilt: 100°/s	Pan: 240°/s; Tilt: 100°/s	Pan: 240°/s; Tilt: 100°/s
Compatibility	ONVIF (Profile S&G&T), CGI	ONVIF (Profile S&G&T), CGI, SDK	ONVIF (Profile S&G&T), CGI, SDK	ONVIF (Profile S&G&T), CGI, SDK	ONVIF (Profile S&G&T), CGI, SDK
Audio In/Out	1/1	1/1	1/1	1/1	1/1
Memory Slot	Micro SD, Max. 512GB	Micro SD, Max. 512GB	Micro SD, Max. 512GB	Micro SD, Max. 512GB	Micro SD, Max. 512GB
Alarm In/Out	7/2	7/2	7/2	7/2	7/2
Ingress Protection	IP67	IP67	IP67, IK10	IP67	IP67
Working Temperature	-40°C~+70°C (-40°F~+158°F)	-40°C~+70°C (-40°F~+158°F)	-40°C~+70°C (-40°F~+158°F)	-40°C~+70°C (-40°F~+158°F)	-40°C~+70°C (-40°F~+158°F)
Power	DC36V, Hi-PoE, Max. 48W	DC36V, Hi-PoE, Max. 32W	DC36V, Hi-PoE, Max. 30W	DC36V, Hi-PoE, Max. 48W	DC36V, Hi-PoE, Max. 48W
Artificial Intelligence					
Perimeter Protection	Tripwire; intrusion; climbing fences; loitering detection; abandoned/missing object; fast moving; parking detection; people gathering; vehicle/human alarm classification	Tripwire; intrusion; climbing fences; loitering detection; abandoned/missing object; fast moving; parking detection; people gathering; vehicle/human alarm classification	Tripwire; intrusion; climbing fences; loitering detection; abandoned/missing object; fast moving; parking detection; people gathering; vehicle/human alarm classification	Tripwire; intrusion; climbing fences; loitering detection; abandoned/missing object; fast moving; parking detection; people gathering; vehicle/human alarm classification	Tripwire; intrusion; climbing fences; loitering detection; abandoned/missing object; fast moving; parking detection; people gathering; vehicle/human alarm classification
Auto Tracking	Auto Tracking 3.0	Auto Tracking 3.0	Auto Tracking 3.0	Auto Tracking 3.0	Auto Tracking 3.0
Video Metadata	Supported	Supported	Supported	Supported	Supported
Face Recognition	Supported	--	--	Supported	Supported
Face Detection	--	Supported	Supported	--	--
Boat Detection	--	--	--	--	--
Water Level Detection	--	--	--	--	--
Floating Object Detection	--	--	--	--	--
Illegal Parking Detection	--	--	--	--	--
Checkpoint Capturing	--	--	--	--	--
Traffic Event	--	--	--	--	--

NETWORK PTZ CAMERAS

WizMind Series

	IR PTZ Camera					
Model	SD8A840FA-HNT	SD8A440FA-HNT	SD8A840XA-HNP-WP	SD6AL245GB-HNV	SD6AL445GB-HNR	SD6AL445GB-HNR-IR
Appearance						
Image Sensor	1/1.8" 8MP STARVIS™ CMOS	1/1.8" 4MP STARVIS™ CMOS	1/1.8" 8MP STARVIS™ CMOS	1/2.8" 4MP STARVIS™ CMOS	1/2.8" 4MP STARVIS™ CMOS	1/2.8" 4MP STARVIS™ CMOS
Lens	5.5mm~220mm (40x Optical zoom)	5.5mm~220mm (40x Optical zoom)	5.5mm~220mm (40x Optical zoom)	3.9 mm ~ 177.7 mm (45x Optical zoom)	3.9mm~177.7mm (45x Optical zoom)	3.9mm~177.7mm (45x Optical zoom)
FOV-H	61.8°~2.2°	61.8°~2.2°	63.9°~2.0°	70.3° ~ 1.8°	70.3°~1.8°	70.3°~1.8°
Min. Illumination	0.001Lux/F1.4 (Color) 0Lux/F1.4 (IR on)	0.001Lux/F1.4 (Color) 0Lux/F1.4 (IR on)	0.005Lux/F1.4 (Color) 0Lux/F1.4 (IR on)	0.005Lux/F1.6 (Color) 0Lux/F1.6 (IR on)	0.005Lux/F1.6 (Color) 0Lux/F1.6 (IR on)	0.005Lux/F1.6 (Color) 0Lux/F1.6 (IR on)
WDR	120dB	120dB	120dB	120dB	120dB	120dB
Max. IR Distance	500 m (1640ft)	500 m (1640ft)	250 m (820.21 ft)	550 m (1804 ft)	550 m (1804 ft)	300 m (984 ft)
Video Compression	H.265+/H.265 H.264+/H.264	H.265+/H.265 H.264+/H.264	H.265+/H.265 H.264+/H.264	H.265+/H.265 H.264+/H.264	H.265+/H.265 H.264+/H.264	H.265+/H.265 H.264+/H.264
Max. Resolution	4K (3840×2160)	4MP (2560×1440)	4K (3840×2160)	4MP (2560 x 1440)	4MP (2560×1440)	4MP (2560×1440)
Frame Rate	30fps@4K	30fps@4MP	30fps@4MP	30fps@4MP	30fps@4MP	30fps@4MP
Multi-streaming	3 streams	3 streams	3 streams	3 streams	3 streams	3 streams
Pan/Tilt	Pan: 0°~360° endless Tilt: -30°~90°	Pan: 0°~360° endless Tilt:-30°~90°	Pan: 0°~360° endless Tilt: -30°~90°	Pan: 0° ~ 360° endless Tilt: -20° ~ 90°	Pan: 0°~360° endless Tilt: -20°~90°	Pan: 0°~360° endless Tilt: -20°~90°
Preset Speed	Pan: 240°/s; Tilt: 100°/s	Pan: 240°/s; Tilt: 100°/s	Pan: 240°/s; Tilt: 100°/s	Pan: 240°/s; Tilt: 200°/s	Pan: 240°/s; Tilt: 200°/s	Pan: 240°/s; Tilt: 200°/s
Compatibility	ONVIF (Profile S&G&T), CGI, SDK	ONVIF (Profile S&G&T), CGI, SDK	ONVIF (Profile S&G&T), CGI, SDK	ONVIF (Profile S&G&T), CGI, SDK	ONVIF (Profile S&G&T), CGI, SDK	ONVIF (Profile S&G&T), CGI, SDK
Audio In/Out	1/1	1/1	1/1	1/1	1/1	1/1
Memory Slot	Micro SD, Max. 512GB	Micro SD, Max. 512GB	Micro SD, Max. 512GB	Micro SD, Max. 512GB	Micro SD, Max. 512GB	Micro SD, Max. 512GB
Alarm In/Out	7/2	7/2	7/2	7/2	7/2	7/2
Ingress Protection	IP67	IP67	IP67	IP67	IP67	IP67
Working Temperature	-40°C~+70°C (-40°F~+158°F)	-40°C~+70°C (-40°F~+158°F)	-40°C~+70°C (-40°F~+158°F)	-40°C ~ +70°C (-40°F ~ +158°F)	-40°C~+70°C (-40°F~+158°F)	-40°C~+70°C (-40°F~+158°F)
Power	DC36V, Hi-PoE, Max. 50W	DC36V, Hi-PoE, Max. 50W	DC36V, Hi-POE, Max. 22W	DC36V, Hi-PoE, Max. 36W	DC36V, Hi-POE, Max. 22W	DC36V, Hi-PoE, Max. 36W
Artificial Intelligence						
Perimeter Protection	--	--	--	Tripwire; intrusion; climbing fences; loitering detection; abandoned/ missing object; fast moving; parking detection; people gathering; vehicle/ human alarm classification	Tripwire; intrusion; climbing fences; loitering detection; abandoned/ missing object; fast moving; parking detection; people gathering; vehicle/ human alarm classification	Tripwire; intrusion; climbing fences; loitering detection; abandoned/ missing object; fast moving; parking detection; people gathering; vehicle/ human alarm classification
Auto Tracking	--	--	--	Auto Tracking 3.0	Auto Tracking 3.0	Auto Tracking 3.0
Video Metadata	--	--	--	Supported	Supported	Supported
Face Recognition	--	--	--	--	--	--
Face Detection	--	--	--	Supported	Supported	Supported
Boat Detection	--	--	Supported	--	--	--
Water Level Detection	--	--	Supported	--	--	--
Floating Object Detection	--	--	Supported	--	--	--
Illegal Parking Detection	Supported	Supported	--	--	--	--
Checkpoint Capturing	Supported	Supported	--	--	--	--
Traffic Event	Supported	Supported	--	--	--	--

All-environment Series

The All-environment Series is designed for projects with high performance requirements and special requirements such as explosive and corrosive environment surveillance. Most of these models can be mounted upright (some of them can be mounted both upright and inverted).

Powerful Zoom

Its 25x, 40x, 48x and 60x optical zoom can easily cover large areas.

Super IR Range

Cameras provide up to 1,200m IR range performance even in dark environments.

Perimeter Protection

Supports people and vehicle classification, which significantly improves accuracy, reduces false alarms and decreases pixel count requirements for object detection.

PFA

Improves focusing performance to a new level.

NETWORK PTZ CAMERAS

All-environment Series

	Laser Positioning System			
Model	PTZ91258-HNF-QW-FHL	PTZ85260-HNF-PA-FL	PTZ85848-HNF-PA-FL	PTZ85448-HNF-PA-FL
Appearance				
Image Sensor	1/1.8 CMOS	1/1.8" CMOS	1/1.8" CMOS	1/1.8" CMOS
Lens	17mm~1000mm (58× Optical zoom)	5.6mm~336mm	6.25mm~300mm	6.25mm~300mm
FOV-H	21.7° ~ 0.52°	56.4°~1.4°	64.9°~1.8°	62.4°~1.8°
Min. Illumination	0.005Lux/F3.6 (Color) 0Lux/F3.6 (IR on)	0.001Lux/F1.4 (Color) 0Lux/F1.4 (IR on)	0.005Lux/F1.4 (Color) 0Lux/F1.4 (IR on)	0.001Lux/F1.4 (Color) 0Lux/F1.4 (IR on)
WDR	140dB	120dB	120dB	120dB
Max. IR Distance	2500 m (8209.10 ft)	1000m (3280.84 ft)	1000m (3280.84 ft)	1000m (3280.84 ft)
Video Compression	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264
Max. Resolution	1080P (1920×1080)	1080P (1920×1080)	4K (3840×2160)	4MP (2560×1440)
Frame Rate	60fps@1080P	30fps@1080P	30fps@4K	30fps@4MP
Multi-streaming	3 streams	3 streams	3 streams	3 streams
Pan/Tilt	Pan: 0°~360°; Tilt:-46°~+90°	Pan: 0°~360°; Tilt:-45°~90°	Pan: 0°~360°; Tilt:-45°~90°	Pan: 0°~360°; Tilt:-45°~90°
Preset Speed	Pan: 10°/s; Tilt: 5°/s	Pan: 160°/s; Tilt: 60°/s	Pan: 160°/s; Tilt: 60°/s	Pan: 160°/s; Tilt: 60°/s
Compatibility	ONVIF (Profile S&G&T), CGI, SDK	ONVIF (Profile S&G&T), CGI, SDK	ONVIF (Profile S&G&T), CGI, SDK	ONVIF (Profile S&G&T), CGI, SDK
Audio In/Out	1/1	1/1	1/1	1/1
Memory Slot	Micro SD, Max.512GB	Micro SD, Max. 512GB	Micro SD, Max. 512GB	Micro SD, Max. 512GB
Alarm In/Out	7/2	7/2	7/2	7/2
Ingress Protection	IP66	IP67	IP67	IP67
Working Temperature	-35 °C ~ +70 °C (-31 °F ~ +158°F)	-40°C~+70°C (-40°F~+158°F)	-40°C~+70°C (-40°F~+158°F)	-40°C~+70°C (-40°F~+158°F)
Power	DC36V: Max. 190W	DC36V, Max. 67.5W	DC36V, Max. 67.5W	DC36V, Max. 67.5W
Artificial Intelligence				
Perimeter Protection	Tripwire; intrusion; climbing fences; loitering detection; abandoned/missing object; fast moving; parking detection; people gathering; vehicle/human alarm classification	Tripwire; intrusion; climbing fences; loitering detection; abandoned/missing object; fast moving; parking detection; people gathering; vehicle/human alarm classification	Tripwire; intrusion; climbing fences; loitering detection; abandoned/missing object; fast moving; parking detection; people gathering; vehicle/human alarm classification	Tripwire; intrusion; climbing fences; loitering detection; abandoned/missing object; fast moving; parking detection; people gathering; vehicle/human alarm classification
SMD	--	--	--	--
Auto Tracking	--	Auto Tracking 3.0	Auto Tracking 3.0	Auto Tracking 3.0
Video Metadata	Supported	Supported	Supported	Supported
Face Recognition	Supported	Supported	Supported	Supported
General Intelligence				
IVS	--	--	--	--

NETWORK PTZ CAMERAS

All-environment Series

IR Positioning System

Model	PTZ85448-HNF-PA	PTZ85848-HNF-PA	PTZ83440-HNF-PA	PTZ85448-HNF-PA
Appearance				
Image Sensor	1/1.8" CMOS	1/1.8" CMOS	1/1.8" CMOS	1/1.8'' 4MP CMOS
Lens	5.6 mm ~ 336 mm	6.25 mm ~ 300 mm	5.5mm~220mm	6.25mm~300mm
FOV-H	56.4° ~ 1.4°	64.9° ~ 1.8°	61.8°~2.2°	62.3°~1.7°
Min. Illumination	0.001Lux/F1.4 (Color) 0Lux/F1.4 (IR on)	0.005Lux/F1.4 (Color) 0Lux/F1.4 (IR on)	0.001Lux/F1.4 (Color) 0Lux/F1.4 (IR on)	0.001Lux/F1.4 (Color) 0Lux/F1.4 (IR on)
WDR	120dB	120dB	120dB	120dB
Max. IR Distance	400m (1312.34 ft)	400m (1312.34 ft)	350m (1148.29ft)	400m (1312.34ft)
Video Compression	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264
Max. Resolution	1080P (1920×1080)	4K (3840×2160)	3MP (2560×1440)	4MP (2560×1440)
Frame Rate	30fps@1080P	30fps@4K	30fps@3MP	30fps@4MP
Multi-streaming	3 streams	3 streams	3 streams	3 streams
Pan/Tilt	Pan: 0° ~ 360°; Tilt:-45° ~ 90°	Pan: 0° ~ 360°; Tilt:-45° ~ 90°	Pan: 0° ~ 360°; Tilt:-45° ~ 90°	Pan: 0° ~ 360°; Tilt:-45° ~ 90°
Preset Speed	Pan: 160°/s; Tilt: 60°/s	Pan: 160°/s; Tilt: 60°/s	Pan: 160°/s; Tilt: 60°/s	Pan: 160°/s; Tilt: 60°/s
Compatibility	ONVIF (Profile S&G), CGI	ONVIF (Profile S&G), CGI	ONVIF (Profile S&G), CGI	ONVIF (Profile S&G&T), CGI
Audio In/Out	1/1	1/1	1/1	1/1
Memory Slot	Micro SD, Max. 512GB	Micro SD, Max. 512GB	Micro SD, Max. 512GB	Micro SD, Max. 512GB
Alarm In/Out	7/2	7/2	7/2	7/2
Ingress Protection	IP67	IP67	IP67	IP67
Working Temperature	-40°C~+70°C (-40°F~+158°F)	-40°C~+70°C (-40°F~+158°F)	-40°C~+70°C (-40°F~+158°F)	-40°C~+70°C (-40°F~+158°F)
Power	DC36V, Max. 61.6W	DC36V, Max. 61.6W	DC36V, Max. 61.6W	DC36V, Max. 60W
Artificial Intelligence				
Perimeter Protection	Tripwire; intrusion; climbing fences; loitering detection; abandoned/missing object; fast moving; parking detection; people gathering; vehicle/human alarm classification	Tripwire; intrusion; climbing fences; loitering detection; abandoned/missing object; fast moving; parking detection; people gathering; vehicle/human alarm classification	Tripwire; intrusion; climbing fences; loitering detection; abandoned/missing object; fast moving; parking detection; people gathering; vehicle/human alarm classification	Tripwire; intrusion; climbing fences; loitering detection; abandoned/missing object; fast moving; parking detection; people gathering; vehicle/human alarm classification
SMD	--	--	--	--
Auto Tracking	Auto Tracking 3.0	Auto Tracking 3.0	Auto Tracking 3.0	Auto Tracking 3.0
Video Metadata	Supported	Supported	Supported	Supported
Face Recognition	Supported	Supported	Supported	Supported
General Intelligence				
IVS	--	--	--	--

NETWORK PTZ CAMERAS

All-environment Series

	IR Positioning System	Mobile Positioning System	IR Positioning System
Model	PTZ37225-HNP-XB-A-EG	MPTZ1100-2030RA	PTZ19245U-IRB-N(-B)
Appearance	WizMind H.265+ Starlight	H.265+ Starlight	H.265+ Starlight
Image Sensor	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS
Lens	4.8 mm~120 mm (25× Optical zoom)	4.5 mm~135 mm (30× Optical zoom)	3.95 mm~177.7 mm (45× Optical zoom)
FOV-H	58.7°~3.1°	67.8°~2.77°	70.3°~1.8°
Min. Illumination	0.005Lux/F1.6 (Color) 0Lux/F1.6 (IR on)	0.005Lux/F1.6 (Color) 0Lux/F1.6 (IR on)	0.005Lux/F1.6 (Color) 0Lux/F1.6 (IR on)
WDR	120dB	120dB	120dB
Max. IR Distance	150m (492.13ft)	80m (262ft)	350m (1148ft)
Video Compression	H.265+/H.265/H.264+/H.264	H.265/H.264	H.265+/H.265/H.264+/H.264
Max. Resolution	1080P (1920×1080)	1080P (1920×1080)	1080P (1920×1080)
Frame Rate	60fps@1080P	60fps@1080P	60fps@1080P
Multi-streaming	3 streams	3 streams	3 streams
Pan/Tilt	Pan: 0°~360° Tilt:-90°~+90°	Pan: 0°~360° Tilt:-90°~+20°	Pan: 0°~360° Tilt: 0°~360°
Preset Speed	Pan: 100°/s; Tilt: 93.75°/s	Pan: 90°/s; Tilt: 60°/s	Pan: 120°/s; Tilt: 60°/s
Compatibility	ONVIF (Profile S&G&T), CGI, SDK	ONVIF (Profile S&G&T), CGI	ONVIF (Profile S&G), CGI
Audio In/Out	1/1	--	1/1
Memory Slot	Micro SD, Max. 512GB	Micro SD, Max. 128GB	Micro SD, Max. 256GB
Alarm In/Out	7/2	--	7/2
Ingress Protection	IP67	IP66	IP68
Working Temperature	-40°C~+70°C (-40°F~+158°F)	-35°C~+60°C (-31°F~+140°F)	-50°C~+70°C (-58°F~+158°F) -40°C~+70°C (-40°F~+158°F) (-B Model)
Power	DC36V Max. 24W	DC12V Max. 24W	AC24V; Max. 80W AC24V/Hi-PoE (-B Model); Max. 40W
Artificial Intelligence			
Perimeter Protection	Tripwire; intrusion; climbing fences; loitering detection; abandoned/missing object; fast moving; parking detection; people gathering; vehicle/human alarm classification	--	--
SMD	--	--	--
Auto Tracking	Auto Tracking 3.0	--	--
Smart Capture	--	--	--
People Counting	--	--	--
Face Detection	--	--	--
Construction Monitoring	Supported	--	--
General Intelligence			
IVS	--	--	Tripwire, Intrusion, Abandoned/Missing Objects

Anti-corrosion & Explosion-proof Cameras

The Dahua Anti-corrosion & Explosion-proof series supports various intelligent functions and is designed for projects with special requirements such as explosive and corrosive environment surveillance.

Certification

The Anti-Corrosion series supports NEMA 4X certification. The explosion-proof series supports ATEX and IECEx certifications.

Rich AI Functions

- Perimeter Protection
- Face Detection
- Smart Capturing
- People Counting
- Heat Map
- SMD

Smart H.265+ & Smart H.264+

With advanced scene-adaptive rate control algorithm, the Dahua Smart Encoding technology offers higher encoding efficiency compared to H.265 and H.264, providing high-quality videos and reducing storage and transmission costs.

ANTI-CORROSION & EXPLOSION-PROOF CAMERAS

Anti-corrosion Series

	Anti-corrosion Camera				
Model	SD8A840PA-HNF-SL	SD5A225GB-HNR-SL	SD60230U-HNI-SL	SDZW2030U-SL	SDZW2000T-SL
Appearance	H.265+ Starlight	H.265+ Starlight	H.265+ Starlight+	H.265+ Starlight	H.265+ Starlight
Image Sensor	1/1.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS
Lens	5.6 mm~223 mm (40× Optical zoom)	4.8 mm~120 mm (25× Optical zoom)	4.5mm~135mm (30× Optical zoom)	4.5mm~135mm (30× Optical zoom)	3.6mm/F2.1, 6mm/F2.0
FOV-H	63.9°~2.0°	58.5°~2.8°	67.8°~2.4°	67.8°~2.4°	87°/51°
Min. Illumination	0.005Lux/F1.4 (Color) 0Lux/F1.4 (IR on)	0.005Lux/F1.6 (Color) 0Lux/F1.6 (IR on)	0.005Lux/F1.6 (Color) 0.0005Lux/F1.6 (B/W)	0.005Lux/F1.6 (Color) 0.0005Lux/F1.6 (B/W)	0.005Lux/F2.1 (Color) 0Lux/F2.1 (IR on)
WDR	120dB	120dB	120dB	120dB	120dB
Illumination Distance	500m (1640ft)	150m (492ft)	--	100m (328ft)	30m (98ft)
Video Compression	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264
Max. Resolution	8MP (3840×2160)	1080P (1920×1080)	1080P (1920×1080)	1080P (1920×1080)	1080P (1920×1080)
Frame Rate	30fps@4K	30fps@1080P	60fps@1080P	60fps@1080P	60fps@1080P
Multi-streaming	3 streams	3 streams	3 streams	3 streams	3 streams
Angle Adjustment	Pan: 0°~360° Tilt:-30°~+90°	Pan: 0°~360° Tilt:-15°~+90°	Pan: 0°~360° Tilt:-20°~+90°	--	--
Preset Speed	Pan: 240°/s; Tilt: 120°/s	Pan: 400°/s; Tilt: 300°/s	Pan: 600°/s; Tilt: 500°/s	--	--
Compatibility	ONVIF (Profile S&G&T), CGI	ONVIF (Profile S&G&T), CGI	ONVIF (Profile S&G), CGI	ONVIF (Profile S&G), CGI	ONVIF (Profile S&G), CGI
Audio In/Out	1/1	1/1	1/1	1/1	--
Memory Slot	Micro SD, Max. 512GB	Micro SD, Max. 512GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	--
Alarm In/Out	7/2	2/1	7/2	2/2	--
Ingress Protection	IP67	IP67, IK10	IP68, IK10	IP68	IP68, IK10
Working Temperature	-40°C~+70°C (-40°F~+158°F)	-40°C~+70°C (-40°F~+158°F)	-40°C~+70°C (-40°F~+158°F)	-40°C~+70°C (-40°F~+158°F)	-40°C~+60°C (-40°F~+140°F)
Power	DC36V, Hi-PoE Max. 48W	DC24V, PoE+ (802.3at) Max. 22W	AC24V, PoE+ (802.3at) Max. 20W	AC24V, DC12V, PoE+ (802.3at) Max. 25W	DC12V, PoE (802.3af) Max. 5W
Artificial Intelligence					
Perimeter Protection	Supported	Supported	--	--	--
SMD	--	SMD 4.0	--	--	--
Auto Tracking	Auto Tracking 3.0	Auto Tracking 3.0	--	--	--
Smart Capture	--	--	--	--	--
People Counting	--	--	--	--	--
Face Detection	Supported (Face Recognition)	Supported	--	--	--
General Intelligence					
IVS	--	--	Tripwire, Intrusion, Abandoned/Missing Objects	Tripwire, Intrusion, Abandoned/Missing Objects	Tripwire, Intrusion, Abandoned/Missing Objects

ANTI-CORROSION & EXPLOSION-PROOF CAMERAS

Explosion-proof Series

	Explosion-proof Camera		
Model	ESD41A415-HNR-GB-P-304	ECA7A1425-HNR-XA-F	ECA7B1231-HNP-XA-F
Appearance	H.265+ Starlight+	H.265+ Starlight	H.265+ Starlight
Image Sensor	1/2.8 CMOS	1/1.8" CMOS	1/1.8" CMOS
Lens	4.77mm ~ 71.55 mm (15× Optical zoom)	5.4mm~135mm (25× Optical zoom)	6mm~186mm (31× Optical zoom)
FOV-H	60.4° ~ 4.3°	59.8°~2.8°	59.8°~2.8°
Min. Illumination	0.05Lux/F1.6 (Color) 0Lux/F1.6 (IR on)	0.001Lux/F1.6 (Color) 0Lux/F1.6 (IR on)	0.001Lux/F1.6 (Color) 0Lux/F1.6 (IR on)
WDR	140dB	120dB	120dB
Illumination Distance	--	100m (328 ft)	100m (328 ft)
Video Compression	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264
Max. Resolution	4MP (2560×1440)	4MP (2560×1440)	2MP (1920×1080)
Frame Rate	30fps@4MP	30fps@4MP	30fps@1080p
Multi-streaming	3 streams	3 streams	3 streams
Angle Adjustment	Pan: 0° ~360° endless Tilt: 0°~+90°	--	--
Preset Speed	Pan: 0.1°/s ~ 130°/s Tilt: 0.1°/s ~ 57°/s	--	--
Compatibility	ONVIF (Profile S&G&T), CGI	ONVIF (Profile S&G&T), CGI	ONVIF (Profile S&G&T), CGI
Audio In/Out	1/1	1/1	1/1
Memory Slot	Micro SD, Max. 512GB	Micro SD, Max. 512GB	Micro SD, Max. 512GB
Alarm In/Out	2/1	2/1	2/1
Ingress Protection	IP68	--	IP68
Working Temperature	-40°C~+60°C (-40°F~+140°F)	-40°C~+60°C (-40°F~+140°F)	-40°C~+60°C (-40°F~+140°F)
Power	AC120V~240V	AC100V~240V	AC100V~240V Max. 19W
Artificial Intelligence			
Perimeter Protection	Supported	Supported	Supported
SMD	--	SMD Plus	SMD 3.0
Auto Tracking	--	--	--
Smart Capture	Supported	Supported	--
People Counting	--	--	--
Face Detection	Supported	Supported	Supported
General Intelligence			
IVS	--	--	--

ANTI-CORROSION & EXPLOSION-PROOF CAMERAS

Explosion-proof Series

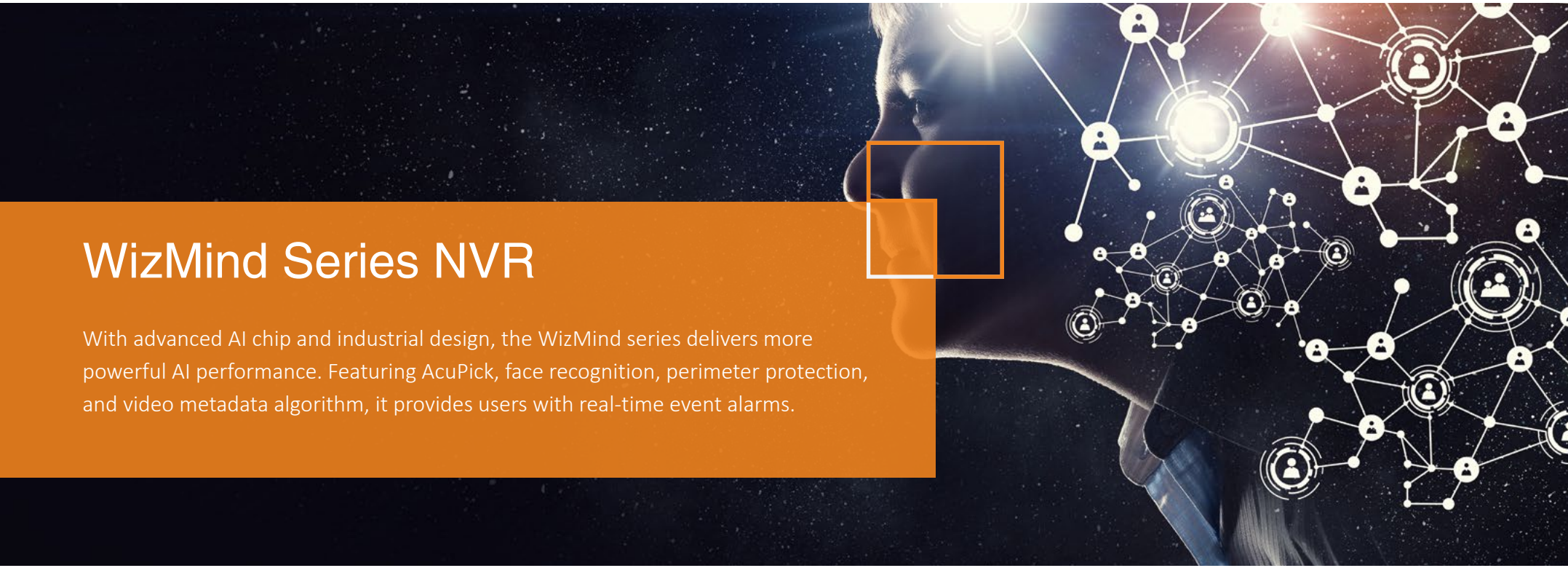
	Explosion-proof Camera			
Model	EPC245U-PTZ	EPC245U-PTZ-IR	EPC230U-PTZ	EPC230U-PTZ-IR
Appearance	H.265+ Starlight	H.265+ Starlight	H.265+ Starlight	H.265+ Starlight
Image Sensor	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS
Lens	3.95mm~177.7mm (45× Optical zoom)	3.95mm~177.7mm (45× Optical zoom)	4.5mm~135mm (30× Optical zoom)	4.5mm~135mm (30× Optical zoom)
FOV-H	70.3°~1.8°	70.3°~1.8°	67.8°~2.4°	67.8°~2.4°
Min. Illumination	0.005Lux/F1.6 (Color) 0.0005Lux/F1.6 (B/W)	0.005Lux/F1.6 (Color) 0Lux/F1.6 (IR on)	0.005Lux/F1.6 (Color) 0.0005Lux/F1.6 (B/W)	0.005Lux/F1.6 (Color) 0Lux/F1.6 (IR on)
WDR	120dB	120dB	120dB	120dB
Illumination Distance	--	200m (656ft)	--	100m (328ft)
Video Compression	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264
Max. Resolution	1080P (1920×1080)	1080P (1920×1080)	1080P (1920×1080)	1080P (1920×1080)
Frame Rate	60fps@1080P	60fps@1080P	60fps@1080P	60fps@1080P
Multi-streaming	3 streams	3 streams	3 streams	3 streams
Angle Adjustment	Pan: 0°~360° Tilt:-90°~+90°	Pan: 0°~360° Tilt:-90°~+90°	Pan: 0°~360° Tilt:-90°~+90°	Pan: 0°~360° Tilt:-90°~+90°
Preset Speed	Pan: 40°/s; Tilt: 40°/s	Pan: 40°/s; Tilt: 40°/s	Pan: 40°/s; Tilt: 40°/s	Pan: 40°/s; Tilt: 40°/s
Compatibility	ONVIF (Profile S&G), CGI	ONVIF (Profile S&G), CGI	ONVIF (Profile S&G), CGI	ONVIF (Profile S&G), CGI
Audio In/Out	1/1	1/1	1/1	1/1
Memory Slot	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB
Alarm In/Out	2/1	2/1	2/1	2/1
Ingress Protection	IP68	IP68	IP68	IP68
Working Temperature	-40°C~+60°C (-40°F~+140°F)	-40°C~+60°C (-40°F~+140°F)	-40°C~+60°C (-40°F~+140°F)	-40°C~+60°C (-40°F~+140°F)
Power	AC220V (AC100V~240V) Max. 60W	AC220V (AC100V~240V) Max. 75W	AC220V (AC100V~240V) Max. 60W	AC220V (AC100V~240V) Max. 75W
Artificial Intelligence				
Perimeter Protection	--	--	--	--
SMD	--	--	--	--
Auto Tracking	--	--	--	--
Smart Capture	--	--	--	--
People Counting	--	--	--	--
Face Detection	--	--	--	--
General Intelligence				
IVS	--	--	--	--

ANTI-CORROSION & EXPLOSION-PROOF CAMERAS

Explosion-Proof Series

	Explosion-Proof Series			
Model	IPC-HDEW8841R-Z	IPC-HDEW8441R-Z	ECA3A1804-HNR-XB	ECA3A1404-HNR-XB
Appearance	WizMind 4K Starlight	WizMind Starlight	WizMind 4K Starlight	WizMind Starlight
Image Sensor	1/2.8" 8MP CMOS	1/3" 4MP CMOS	1/2.8" 8MP CMOS	1/2.8" 8MP CMOS
Focal Length	2.7 mm~13.5 mm/F1.5	2.7 mm~13.5 mm/F1.5	2.7 mm~13.5 mm/F1.5	2.7 mm~13.5 mm/F1.5
FOV-H	109°~30°	104°~29°	109°~30°	104°~29°
Min. Illumination	0.007Lux/F1.5 (Color) 0.0007Lux/F1.5 (B/W)	0.005Lux/F1.5 (Color) 0.0005Lux/F1.5 (B/W)	0.007Lux/F1.5 (Color) 0.0007Lux/F1.5 (B/W)	0.005Lux/F1.5 (Color) 0.0005Lux/F1.5 (B/W)
Day/Night	Auto (ICR)/Color/B/W	Auto (ICR)/Color/B/W	Auto (ICR)/Color/B/W	Auto (ICR)/Color/B/W
WDR	120 dB	120 dB	120 dB	120 dB
Illumination Distance	40 m (131.23 ft)	40 m (131.23 ft)	50 m (164.04 ft)	50 m (164.04 ft)
Video Compression	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)
Smart Codec	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+
Max. Resolution	8MP (3840×2160)	4MP (2688×1520)	8MP (3840×2160)	4MP (2688×1520)
Frame Rate	25/30 fps@8MP	25/30 fps@4MP	25/30 fps@8MP	25/30 fps@4MP
Multi-streaming	3 streams	3 streams	3 streams	3 streams
Angle Adjustment	Pan: 0°~355°; Tilt: 0°~75°; Rotation: 0°~355°	Pan: 0°~355°; Tilt: 0°~75°; Rotation: 0°~355°	--	--
Preset Speed	--	--	--	--
Compatibility	ONVIF (Profile S&G&T); CGI	ONVIF (Profile S&G&T); CGI	ONVIF (Profile S&G&T); CGI	ONVIF (Profile S&G&T); CGI
Audio In/Out	1/1	1/1	1/1	1/1
Memory Slot	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 512GB	Micro SD, Max. 512GB
Alarm In/Out	3 Channel in: wet contact, 5mA 3V~5V DC 2 Channel Out: dry contact, 1,000mA 30V DC/500mA 50V AC	3 Channel in: wet contact, 5mA 3V~5V DC 2 Channel Out: dry contact, 1,000mA 30V DC/500mA 50V AC	1 channel in: wet contact, 5mA 3V~5V DC 1 channel out: dry contact, 1,000mA 30V DC/500mA 50V AC	1 channel in: wet contact, 5mA 3V~5V DC 1 channel out: dry contact, 1,000mA 30V DC/500mA 50V AC
Ingress Protection	IP68, IK10	IP68, IK10	IP68	IP68
Working Temperature	T5/T100 °C :-40 °C ≤ Tamb ≤ +60 °C (-40 °F to+140 °F) T6/T80 °C :-40 °C ≤ Tamb ≤ +55 °C (-40 °F~ +131°F)	T5/T100 °C :-40 °C ≤ Tamb ≤ +60 °C (-40 °F to+140 °F) T6/T80 °C :-40 °C ≤ Tamb ≤ +55 °C (-40 °F~ +131°F)	-30°C ~ +60°C (-22°F ~ +140°F)	-30°C ~ +60°C (-22°F ~ +140°F)
Power	12V DC/PoE (802.3af), Max. 8.5W	12V DC/PoE (802.3af), Max. 7.3W	12V DC/PoE (802.3af), Max. 11.5W	12V DC/PoE (802.3af), Max. 11.09W
Artificial Intelligence				
Perimeter Protection	Supported	Supported	Supported	Supported
SMD	SMD 3.0	SMD 3.0	SMD 4.0	SMD 4.0
Auto Tracking	--	--	--	--
Smart Capture	--	--	--	--
People Counting	Supported	Supported	Supported	Supported
Face Detection	Supported	Supported	Supported	Supported
General Intelligence				
IVS	Abandoned object; missing object	Abandoned object; missing object	Abandoned object; missing object	Abandoned object; missing object

NETWORK VIDEO RECORDERS



WizMind Series NVR

With advanced AI chip and industrial design, the WizMind series delivers more powerful AI performance. Featuring AcuPick, face recognition, perimeter protection, and video metadata algorithm, it provides users with real-time event alarms.

Superior Performance

Max.128-ch IP video inputs. Up to 32-ch 1080P@30 fps decoding and 1280/1280 Mbps input/record bandwidth.

Project Features

Supports N+M cluster, RAID, redundant power. Drawer-like chassis design allows for HDD hot swapping.

Rich Backend AI

Face detection, face recognition, video metadata, perimeter protection, SMD Plus and other AI Functions.

AcuPick

Effectively uses both front and back-end intelligence to find targets more conveniently, quickly, and accurately in massive video data.

NETWORK VIDEO RECORDERS

WizMind NVR

	WizMind NVR			
Model	NVR616DRH-128-XI	NVR616DRH-64-XI	NVR616DH-128-XI	NVR616DH-64-XI
Appearance				
Prosessor	Multi-core embedded processor	Multi-core embedded processor	Multi-core embedded processor	Multi-core embedded processor
Video Compression	Smart H.265+, H.265, Smart H.264+, H.264, MJPEG	Smart H.265+, H.265, Smart H.264+, H.264, MJPEG	Smart H.265+, H.265, Smart H.264+, H.264, MJPEG	Smart H.265+, H.265, Smart H.264+, H.264, MJPEG
IP Video Inputs	128 channel	64 channel	128 channel	64 channel
Max Input/Record	AI disabled: 1280/1280/1024 Mbps AI enabled: 640/640/512 Mbps	AI disabled: 1280/1280/1024 Mbps AI enabled: 640/640/512 Mbps	AI disabled: 1280/1280/1024 Mbps AI enabled: 640/640/512 Mbps	AI disabled: 1280/1280/1024 Mbps AI enabled: 640/640/512 Mbps
Max Decoding	32-channel 1080P (30fps)	32-channel 1080P (30fps)	32-channel 1080P (30fps)	32-channel 1080P (30fps)
Display	4HDMI, 2VGA	4HDMI, 2VGA	4HDMI, 2VGA	4HDMI, 2VGA
Max HDD	16×20TB	16×20TB	16×20TB	16×20TB
RAID	0/1/5/6/10	0/1/5/6/10	0/1/5/6/10	0/1/5/6/10
eSATA/Mini SAS	1/--	1/--	1/--	1/--
Audio In/Out	1/2	1/2	1/2	1/2
Alarm In/Out	32/16	32/16	32/16	32/16
Ethernet	4 (10/100/1000/2500 Mbps Ethernet port, RJ-45)	4 (10/100/1000/2500 Mbps Ethernet port, RJ-45)	4 (10/100/1000/2500 Mbps Ethernet port, RJ-45)	4 (10/100/1000/2500 Mbps Ethernet port, RJ-45)
PoE	--	--	--	--
USB	2 USB3.0, 2 USB2.0	2 USB3.0, 2 USB2.0	2 USB3.0, 2 USB2.0	2 USB3.0, 2 USB2.0
Power	AC100V~240V <25W (Without HDD)	AC100V~240V <25W (Without HDD)	AC100V~240V <25W (Without HDD)	AC100V~240V <25W (Without HDD)
Star Features	AcuPick, 8K, N+M, RAID, Hot Swapping, Redundant Power, LCD screen	AcuPick, 8K, N+M, RAID, Hot Swapping, Redundant Power, LCD screen	AcuPick, 8K, N+M, RAID, Hot Swapping, LCD screen	AcuPick, 8K, N+M, RAID, Hot Swapping, LCD screen
Artificial Intelligence by Device				
Perimeter Protection	32-channel perimeter protection	32-channel perimeter protection	32-channel perimeter protection	32-channel perimeter protection
Face Recognition	8-channel face detection and recognition, up to 40 face databases and 300,000 face images	8-channel face detection and recognition, up to 40 face databases and 300,000 face images	8-channel face detection and recognition, up to 40 face databases and 300,000 face images	8-channel face detection and recognition, up to 40 face databases and 300,000 face images
Video Metadata	8-channel metadata	8-channel metadata	8-channel metadata	8-channel metadata
Image search	Search by face images	Search by face images	Search by face images	Search by face images
SMD Plus	32-channel SMD Plus	32-channel SMD Plus	32-channel SMD Plus	32-channel SMD Plus
Artificial Intelligence by Camera				
Perimeter Protection	Supported	Supported	Supported	Supported
Face Recognition	Supported	Supported	Supported	Supported
Video Metadata	Supported	Supported	Supported	Supported
SMD Plus	Supported	Supported	Supported	Supported
People Counting	Supported	Supported	Supported	Supported
Heat Map	Supported	Supported	Supported	Supported
ANPR	Supported	Supported	Supported	Supported

WizMind NVR

	WizMind NVR					
Model	NVR616RH-128-XI	NVR616RH-64-XI	NVR616RH-32-XI	NVR616H-128-XI	NVR616H-64-XI	NVR616H-32-XI
Appearance						
Prosessor	Multi-core embedded processor	Multi-core embedded processor	Multi-core embedded processor	Multi-core embedded processor	Multi-core embedded processor	Multi-core embedded processor
Video Compression	Smart H.265+, H.265, Smart H.264+, H.264, MJPEG	Smart H.265+, H.265, Smart H.264+, H.264, MJPEG	Smart H.265+, H.265, Smart H.264+, H.264, MJPEG	Smart H.265+, H.265, Smart H.264+, H.264, MJPEG	Smart H.265+, H.265, Smart H.264+, H.264, MJPEG	Smart H.265+, H.265, Smart H.264+, H.264, MJPEG
IP Video Inputs	128 channel	64 channels	32 channels	128 channels	64 channels	32 channels
Max Input/Record	AI disabled: 1280/1280/1024 Mbps AI enabled: 640/640/512 Mbps	AI disabled: 1280/1280/1024 Mbps AI enabled: 640/640/512 Mbps	AI disabled: 1280/1280/1024 Mbps AI enabled: 640/640/512 Mbps	AI disabled: 1280/1280/1024 Mbps AI enabled: 640/640/512 Mbps	AI disabled: 1280/1280/1024 Mbps AI enabled: 640/640/512 Mbps	AI disabled: 1280/1280/1024 Mbps AI enabled: 640/640/512 Mbps
Max Decoding	32-channel 1080P (30fps)	32-channel 1080P (30fps)	32-channel 1080P (30fps)	32-channel 1080P (30fps)	32-channel 1080P (30fps)	32-channel 1080P (30fps)
Display	4HDMI, 2VGA	4HDMI, 2VGA	4HDMI, 2VGA	4HDMI, 2VGA	4HDMI, 2VGA	4HDMI, 2VGA
Max HDD	16×20TB	16×20TB	16×20TB	16×20TB	16×20TB	16×20TB
RAID	0/1/5/6/10	0/1/5/6/10	0/1/5/6/10	0/1/5/6/10	0/1/5/6/10	0/1/5/6/10
eSATA/Mini SAS	1/--	1/--	1/--	1/--	1/--	1/--
Audio In/Out	1/2	1/2	1/2	1/2	1/2	1/2
Alarm In/Out	32/16	32/16	32/16	32/16	32/16	32/16
Ethernet	4 (10/100/1000/2500 Mbps Ethernet port, RJ-45)	4 (10/100/1000/2500 Mbps Ethernet port, RJ-45)	4 (10/100/1000/2500 Mbps Ethernet port, RJ-45)	4 (10/100/1000/2500 Mbps Ethernet port, RJ-45)	4 (10/100/1000/2500 Mbps Ethernet port, RJ-45)	4 (10/100/1000/2500 Mbps Ethernet port, RJ-45)
PoE	--	--	--	--	--	--
USB	2 USB3.0, 2 USB2.0	2 USB3.0, 2 USB2.0	2 USB3.0, 2 USB2.0	2 USB3.0, 2 USB2.0	2 USB3.0, 2 USB2.0	2 USB3.0, 2 USB2.0
Power	AC100V~240V <25W (Without HDD)	AC100V~240V <25W (Without HDD)	AC100V~240V <25W (Without HDD)	AC100V~240V <25W (Without HDD)	AC100V~240V <25W (Without HDD)	AC100V~240V <25W (Without HDD)
Star Features	AcuPick, 8K, N+M, RAID, Hot Swapping, Redundant Power	AcuPick, 8K, N+M, RAID, Hot Swapping, Redundant Power	AcuPick, 8K, N+M, RAID, Hot Swapping, Redundant Power	AcuPick, 8K, N+M, RAID, Hot Swapping	AcuPick, 8K, N+M, RAID, Hot Swapping	AcuPick, 8K, N+M, RAID, Hot Swapping
Artificial Intelligence by Device						
Perimeter Protection	32-channel perimeter protection	32-channel perimeter protection	32-channel perimeter protection	32-channel perimeter protection	32-channel perimeter protection	32-channel perimeter protection
Face Recognition	8-channel face detection and recognition, up to 40 face databases and 300,000 face images	8-channel face detection and recognition, up to 40 face databases and 300,000 face images	8-channel face detection and recognition, up to 40 face databases and 300,000 face images	8-channel face detection and recognition, up to 40 face databases and 300,000 face images	8-channel face detection and recognition, up to 40 face databases and 300,000 face images	8-channel face detection and recognition, up to 40 face databases and 300,000 face images
Video Metadata	8-channel metadata	8-channel metadata	8-channel metadata	8-channel metadata	8-channel metadata	8-channel metadata
Image search	Search by face images	Search by face images	Search by face images	Search by face images	Search by face images	Search by face images
SMD Plus	32-channel SMD Plus	32-channel SMD Plus	32-channel SMD Plus	32-channel SMD Plus	32-channel SMD Plus	32-channel SMD Plus
Artificial Intelligence by Camera						
Perimeter Protection	Supported	Supported	Supported	Supported	Supported	Supported
Face Recognition	Supported	Supported	Supported	Supported	Supported	Supported
Video Metadata	Supported	Supported	Supported	Supported	Supported	Supported
SMD Plus	Supported	Supported	Supported	Supported	Supported	Supported
People Counting	Supported	Supported	Supported	Supported	Supported	Supported
Heat Map	Supported	Supported	Supported	Supported	Supported	Supported
ANPR	Supported	Supported	Supported	Supported	Supported	Supported

NETWORK VIDEO RECORDERS

WizMind NVR

WizMind NVR

Model	NVR608RH-128-XI	NVR608RH-64-XI	NVR608RH-32-XI	NVR608H-128-XI	NVR608H-64-XI	NVR608H-32-XI
Appearance						
Prosessor	Multi-core embedded processor	Multi-core embedded processor	Multi-core embedded processor	Multi-core embedded processor	Multi-core embedded processor	Multi-core embedded processor
Video Compression	Smart H.265+, H.265, Smart H.264+, H.264, MJPEG	Smart H.265+, H.265, Smart H.264+, H.264, MJPEG	Smart H.265+, H.265, Smart H.264+, H.264, MJPEG	Smart H.265+, H.265, Smart H.264+, H.264, MJPEG	Smart H.265+, H.265, Smart H.264+, H.264, MJPEG	Smart H.265+, H.265, Smart H.264+, H.264, MJPEG
IP Video Inputs	128 channel	64 channel	32 channel	128 channel	64 channel	32 channel
Max Input/Record	AI disabled: 1280/1280/1024 Mbps AI enabled: 640/640/512 Mbps	AI disabled: 1280/1280/1024 Mbps AI enabled: 640/640/512 Mbps	AI disabled: 1280/1280/1024 Mbps AI enabled: 640/640/512 Mbps	AI disabled: 1280/1280/1024 Mbps AI enabled: 640/640/512 Mbps	AI disabled: 1280/1280/1024 Mbps AI enabled: 640/640/512 Mbps	AI disabled: 1280/1280/1024 Mbps AI enabled: 640/640/512 Mbps
Max Decoding	32-channel 1080P (30fps)	32-channel 1080P (30fps)	32-channel 1080P (30fps)	32-channel 1080P (30fps)	32-channel 1080P (30fps)	32-channel 1080P (30fps)
Display	4HDMI, 2VGA	4HDMI, 2VGA	4HDMI, 2VGA	4HDMI, 2VGA	4HDMI, 2VGA	4HDMI, 2VGA
Max HDD	8×20TB	8×20TB	8×20TB	8×20TB	8×20TB	8×20TB
RAID	0/1/5/6/10	0/1/5/6/10	0/1/5/6/10	0/1/5/6/10	0/1/5/6/10	0/1/5/6/10
eSATA/Mini SAS	1/--	1/--	1/--	1/--	1/--	1/--
Audio In/Out	1/2	1/2	1/2	1/2	1/2	1/2
Alarm In/Out	16/8	16/8	16/8	16/8	16/8	16/8
Ethernet	2 (10/100/1000/2500 Mbps Ethernet port, RJ-45)	2 (10/100/1000/2500 Mbps Ethernet port, RJ-45)	2 (10/100/1000/2500 Mbps Ethernet port, RJ-45)	2 (10/100/1000/2500 Mbps Ethernet port, RJ-45)	2 (10/100/1000/2500 Mbps Ethernet port, RJ-45)	2 (10/100/1000/2500 Mbps Ethernet port, RJ-45)
PoE	--	--	--	--	--	--
USB	2 USB3.0, 2 USB2.0	2 USB3.0, 2 USB2.0	2 USB3.0, 2 USB2.0	2 USB3.0, 2 USB2.0	2 USB3.0, 2 USB2.0	2 USB3.0, 2 USB2.0
Power	AC100V~240V <18W (Without HDD)	AC100V~240V <18W (Without HDD)	AC100V~240V <18W (Without HDD)	AC100V~240V <18W (Without HDD)	AC100V~240V <18W (Without HDD)	AC100V~240V <18W (Without HDD)
Star Features	AcuPick, 8K, N+M, RAID, Hot Swapping, Redundant Power	AcuPick, 8K, N+M, RAID, Hot Swapping, Redundant Power	AcuPick, 8K, N+M, RAID, Hot Swapping, Redundant Power	AcuPick, 8K, N+M, RAID, Hot Swapping,	AcuPick, 8K, N+M, RAID, Hot Swapping	AcuPick, 8K, N+M, RAID, Hot Swapping
Artificial Intelligence by Device						
Perimeter Protection	32-channel perimeter protection	32-channel perimeter protection	32-channel perimeter protection	32-channel perimeter protection	32-channel perimeter protection	32-channel perimeter protection
Face Recognition	8-channel face detection and recognition, up to 40 face databases and 300,000 face images	8-channel face detection and recognition, up to 40 face databases and 300,000 face images	8-channel face detection and recognition, up to 40 face databases and 300,000 face images	8-channel face detection and recognition, up to 40 face databases and 300,000 face images	8-channel face detection and recognition, up to 40 face databases and 300,000 face images	8-channel face detection and recognition, up to 40 face databases and 300,000 face images
Video Metadata	8-channel metadata	8-channel metadata	8-channel metadata	8-channel metadata	8-channel metadata	8-channel metadata
Image search	Search by face images	Search by face images	Search by face images	Search by face images	Search by face images	Search by face images
SMD Plus	32-channel SMD Plus	32-channel SMD Plus	32-channel SMD Plus	32-channel SMD Plus	32-channel SMD Plus	32-channel SMD Plus
Artificial Intelligence by Camera						
Perimeter Protection	Supported	Supported	Supported	Supported	Supported	Supported
Face Recognition	Supported	Supported	Supported	Supported	Supported	Supported
Video Metadata	Supported	Supported	Supported	Supported	Supported	Supported
SMD Plus	Supported	Supported	Supported	Supported	Supported	Supported
People Counting	Supported	Supported	Supported	Supported	Supported	Supported
Heat Map	Supported	Supported	Supported	Supported	Supported	Supported
ANPR	Supported	Supported	Supported	Supported	Supported	Supported

INTELLIGENT COMPUTING

Intelligent Video Surveillance Server

The IVSS (Intelligent Video Surveillance Server) is a video storage device that combines professional AI algorithm carriers and offers a powerful and scalable computing capabilities. IVSS supports intelligent recognition, human/vehicle-based IVS, video metadata and other AI algorithms to meet the needs of different scenarios and help accelerate the complete intelligent upgrading of customers.

Powerful AI Computing

With built-in scalable AI module, IVSS provides powerful intelligent computing performance.

Abundant Algorithms

10+ types of industrial intelligent algorithms based on Dahua's self-developed machine learning technology.

All-in-One Devics

IVSS combines video search, storage, management, and computing features all in one device.

Superior Storage

Up to 24 disk slots for storage and up to 256-ch for IP video access; Supports RAID to ensure data security.

WizMind IVSS

WizMind IVSS

Model	IVSS7024 (DR)-16M	IVSS7024 (DR)-8M	IVSS7016 (DR)-8M	IVSS7016 (DR)-4M
Appearance				
Prosessor	Intel Quad Core CPU	Intel Quad Core CPU	Intel Quad Core CPU	Intel Quad Core CPU
Video Compression	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264
IP Video Inputs	256 channels	256 channels	256 channels	256 channels
Max Input/Record	512Mbps/384Mbps	512Mbps/384Mbps	512Mbps/384Mbps	512Mbps/384Mbps
Max Decoding	24-channel 1080P (30 fps)	24-channel 1080P (30 fps)	24-channel 1080P (30 fps)	24-channel 1080P (30 fps)
Display	3HDMI, 1VGA, LCD (Optional)	3HDMI, 1VGA, LCD (Optional)	3HDMI, 1VGA, LCD (Optional)	3HDMI, 1VGA, LCD (Optional)
Max HDD	24×16TB	24×16TB	16×16TB	16×16TB
RAID	0/1/5/6/10/50/60	0/1/5/6/10/50/60	0/1/5/6/10/50/60	0/1/5/6/10/50/60
eSATA/Mini SAS	1/2	1/2	1/2	1/2
Audio In/Out	1/1	1/1	1/1	1/1
Alarm In/Out	16/8	16/8	16/8	16/8
Ethernet	4 Gigabit Ports	4 Gigabit Ports	4 Gigabit Ports	4 Gigabit Ports
PoE	--	--	--	--
USB	2 USB3.0, 2 USB2.0	2 USB3.0, 2 USB2.0	2 USB3.0, 2 USB2.0	2 USB3.0, 2 USB2.0
Power	AC100-127V/AC200-240V 50/60Hz, Redundant (Optional) 200W (Without HDD, idling) 488W (All HDDs connected)	AC100-127V/AC200-240V 50/60Hz, Redundant (Optional) 160W (Without HDD, idling) 448W (All HDDs connected)	AC100-127V/AC200-240V 50/60Hz, Redundant (Optional) 140W (Without HDD, idling) 332W (All HDDs connected)	AC100-127V/AC200-240V 50/60Hz, Redundant (Optional) 120W (Without HDD, idling) 312W (All HDDs connected)
Star Features	Fisheye Dewarp, Smart Track, N+M	Fisheye Dewarp, Smart Track, N+M	Fisheye Dewarp, Smart Track, N+M	Fisheye Dewarp, Smart Track, N+M
Artificial Intelligence by Device				
Perimeter Protection	Up to 192 channels of perimeter protection	Up to 96 channels of perimeter protection	Up to 96 channels of perimeter protection	Up to 48 channels of perimeter protection
Face Recognition	Up to 256 channels of face recognition with FD camera; Up to 192 channels of face recognition with normal camera; 50 face databases with up to 500,000 face images in total	Up to 256 channels of face recognition with FD camera; Up to 96 channels of face recognition with normal camera; 50 face databases with up to 500,000 face images in total	Up to 256 channels of face recognition with FD camera; Up to 96 channels of face recognition with normal camera; 50 face databases with up to 500,000 face images in total	Up to 160 channels of face recognition with FD camera; Up to 48 channels of face recognition with normal camera; 50 face databases with up to 500,000 face images in total
Video Metadata	Up to 192 channels for video metadata of human face/ human body/motor vehicle/non-motor vehicle	Up to 96 channels for video metadata of human face/ human body/motor vehicle/non-motor vehicle	Up to 96 channels for video metadata of human face/ human body/motor vehicle/non-motor vehicle	Up to 48 channels for video metadata of human face/ human body/motor vehicle/non-motor vehicle
Image search	Search by face images	Search by face images	Search by face images	Search by face images
SMD Plus	--	--	--	--
Artificial Intelligence by Camera				
Perimeter Protection	Supported	Supported	Supported	Supported
Face Recognition	Supported	Supported	Supported	Supported
Video Metadata	Supported	Supported	Supported	Supported
SMD Plus	Supported	Supported	Supported	Supported
People Counting	Supported	Supported	Supported	Supported
Heat Map	--	--	--	--
ANPR	Supported	Supported	Supported	Supported

INTELLIGENT COMPUTING

WizMind IVSS

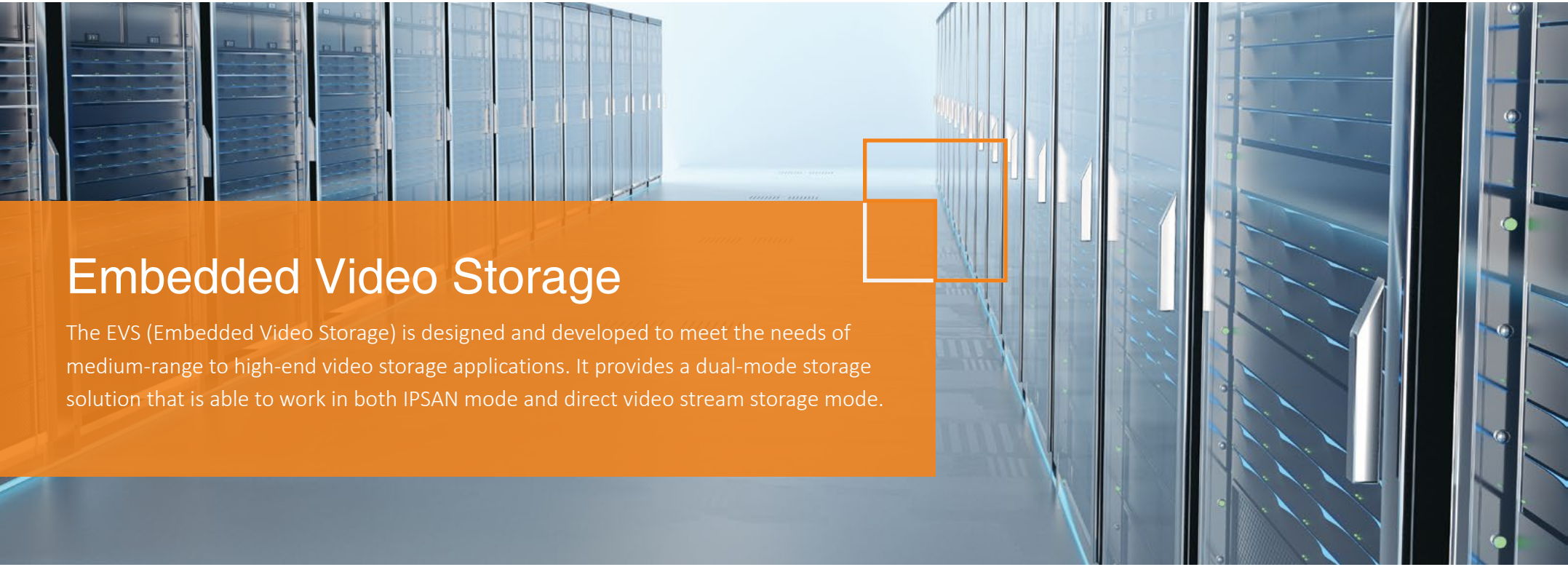
	WizMind IVSS			
Model	IVSS7012-4M	IVSS7012-2M	IVSS7108-2M	IVSS7108-1M
Appearance				
Prosessor	Intel Dual Core CPU	Intel Dual Core CPU	Intel Dual Core CPU	Intel Dual Core CPU
Video Compression	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264
IP Video Inputs	128 channels	128 channels	128 channels	128 channels
Max Input/Record	400Mbps/320Mbps	400Mbps/320Mbps	400Mbps/320Mbps	400Mbps/320Mbps
Max Decoding	20-channel 1080P (30fps)	20-channel 1080P (30fps)	20-channel 1080P (30fps)	20-channel 1080P (30fps)
Display	3HDMI, 2VGA	3HDMI, 2VGA	4HDMI, 1VGA	4HDMI, 1VGA
Max HDD	12×16TB	12×16TB	8×16TB	8×16TB
RAID	0/1/5/6/10/50/60	0/1/5/6/10/50/60	0/1/5/6/10/50/60	0/1/5/6/10/50/60
eSATA/Mini SAS	1/1	1/1	1/-	1/-
Audio In/Out	1/2	1/2	1/2	1/2
Alarm In/Out	16/8	16/8	16/8	16/8
Ethernet	4 Gigabit Ports	4 Gigabit Ports	4 Gigabit Ports	4 Gigabit Ports
PoE	--	--	--	--
USB	2 USB3.0, 2 USB2.0	2 USB3.0, 2 USB2.0	2 USB3.0, 2 USB2.0	2 USB3.0, 2 USB2.0
Power	AC100-127V/200-240V 50/60Hz 100 W (Without HDD, idling) 244 W (All HDDs connected)	AC100-127V/200-240V 50/60Hz 80W (Without HDD, idling) 224W (All HDDs connected)	100V AC–240V AC 50/60Hz 38W (Without HDD, idling) 105W (All HDDs connected)	100V AC–240V AC 50/60Hz 38W (Without HDD, idling) 105W (All HDDs connected)
Star Features	Fisheye Dewarp, Smart Track, N+M	Fisheye Dewarp, Smart Track, N+M	Fisheye Dewarp, Smart Track, N+M	Fisheye Dewarp, Smart Track, N+M
Artificial Intelligence by Device				
Perimeter Protection	Up to 48 channels of perimeter protection	Up to 24 channels of perimeter protection	Up to 24 channels perimeter protection	Up to 12 channels of perimeter protection
Face Recognition	Up to 128 channels face recognition with FD camera; Up to 48 channels face recognition with normal camera; 50 face database with up to 500,000 face images in total	Up to 80 channels of face recognition with FD camera; Up to 24 channels of face recognition with normal camera; 50 face databases with up to 500,000 face images in total	Up to 80 channels of face recognition with FD camera; Up to 24 channels of face recognition with normal camera; 50 face databases with up to 500,000 face images in total	Up to 40 channels of face recognition with FD camera; Up to 12 channels of face recognition with normal camera; 50 face databases with up to 500,000 face images in total
Video Metadata	Up to 48 channels for video metadata of human face/human body/ motor vehicle/non-motor vehicle	Up to 24 channels for video metadata of human face/human body/ motor vehicle/non-motor vehicle	Up to 24 channels for video metadata of human face/human body/ motor vehicle/non-motor vehicle	Up to 12 channels for video metadata of human face/human body/ motor vehicle/non-motor vehicle
Image search	Search by face images	Search by face images	Search by face images	Search by face images
SMD Plus	--	--	--	--
Artificial Intelligence by Camera				
Perimeter Protection	Supported	Supported	Supported	Supported
Face Recognition	Supported	Supported	Supported	Supported
Video Metadata	Supported	Supported	Supported	Supported
SMD Plus	Supported	Supported	Supported	Supported
People Counting	Supported	Supported	Supported	Supported
Heat Map	--	--	--	--
ANPR	Supported	Supported	Supported	Supported

INTELLIGENT COMPUTING

WizMind IVSS

	WizMind IVSS					
Model	IVSS7024DR	IVSS7024	IVSS7016DR	IVSS7016	IVSS7012	IVSS7108
Appearance						
Prosessor	Intel Quad Core CPU	Intel Quad Core CPU	Intel Quad Core CPU	Intel Quad Core CPU	Intel Dual Core CPU	Intel Dual Core CPU
Video Compression	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264
IP Video Inputs	256 channels	256 channels	256 channels	256 channels	128 channels	128 channels
Max Input/Record	RAID:768/768/768Mbps Single Disk:768/512/768Mbps	RAID:768/768/768Mbps Single Disk:768/512/768Mbps	RAID:768/768/768Mbps Single Disk:768/512/768Mbps	RAID:768/768/768Mbps Single Disk:768/512/768Mbps	512Mbps/400Mbps	512Mbps/400Mbps
Max Decoding	24-channel 1080P (30 fps)	24-channel 1080P (30 fps)	24-channel 1080P (30 fps)	24-channel 1080P (30 fps)	20-channel 1080P (30 fps)	20-channel 1080P (30 fps)
Display	3HDMI, 1VGA, LCD	3HDMI, 1VGA	3HDMI, 1VGA, LCD	3HDMI, 1VGA	3HDMI, 2VGA	4HDMI, 1VGA
Max HDD	24×16TB	24×16TB	16×16TB	16×16TB	12×16TB	8×16TB
RAID	0/1/5/6/10/50/60	0/1/5/6/10/50/60	0/1/5/6/10/50/60	0/1/5/6/10/50/60	0/1/5/6/10/50/60	0/1/5/6/10/50/60
eSATA/Mini SAS	1/2	1/2	1/2	1/2	1/1	1/-
Audio In/Out	1/1	1/1	1/1	1/1	1/2	1/2
Alarm In/Out	16/8	16/8	16/8	16/8	16/8	16/8
Ethernet	4 Gigabit Ports	4 Gigabit Ports	4 Gigabit Ports	4 Gigabit Ports	4 Gigabit Ports	4 Gigabit Ports
PoE	--	--	--	--	--	--
USB	2 USB3.0, 2 USB2.0	2 USB3.0, 2 USB2.0	2 USB3.0, 2 USB2.0	2 USB3.0, 2 USB2.0	2 USB3.0, 2 USB2.0	2 USB3.0, 2 USB2.0
Power	AC100-127V/200-240V 50/60Hz Redundant 120W (Without HDD, idling) 408W (All HDDs connected)	AC100-127V/200-240V 50/60Hz 120W (Without HDD, idling) 408W (All HDDs connected)	AC100-127V/200-240V 50/60Hz, Redundant 100W (Without HDD, idling) 292W (All HDDs connected)	AC100-127V/200-240V 50/60Hz, 100W (Without HDD, idling) 292W (All HDDs connected)	AC100-127V/200-240V 50/60Hz 80W (Without HDD, idling) 224W (All HDDs connected)	100V AC–240V AC 50-60%Hz 35W (Without HDD, idling) 100W (All HDDs connected)
Star Features	Fisheye Dewarp, Smart Track, N+M	Fisheye Dewarp, Smart Track, N+M	Fisheye Dewarp, Smart Track, N+M	Fisheye Dewarp, Smart Track, N+M	Fisheye Dewarp, Smart Track, N+M	Fisheye Dewarp, Smart Track, N+M
Artificial Intelligence by Camera						
Perimeter Protection	Supported	Supported	Supported	Supported	Supported	Supported
Face Recognition	Supported	Supported	Supported	Supported	Supported	Supported
Video Metadata	Supported	Supported	Supported	Supported	Supported	Supported
SMD Plus	Supported	Supported	Supported	Supported	Supported	Supported
People Counting	Supported	Supported	Supported	Supported	Supported	Supported
Heat Map	--	--	--	--	--	--
ANPR	Supported	Supported	Supported	Supported	Supported	Supported

EMBEDDED VIDEO STORAGE



Embedded Video Storage

The EVS (Embedded Video Storage) is designed and developed to meet the needs of medium-range to high-end video storage applications. It provides a dual-mode storage solution that is able to work in both IPSAN mode and direct video stream storage mode.

Modular Design

All key modules allow hot-swap and redundant configuration to ensure stability.

RAID

Supports RAID 0/1/5/6/10/50/60 for faster and safer recording.

N+M Failover

M failover nodes provide highly reliable redundancy to take over multiple faulty nodes for video safety.

Storage Extension Capacity

Local extension connects with expansion storage cabinet via mini SAS HD interface.

EMBEDDED VIDEO STORAGE

EVS Series

	Model	EVS8248X	EVS8236X	EVS8224X
	Appearance			
System	Main Processor	Single Controller (Dual 64-bit high-performance multi-core processor)	Single Controller (Dual 64-bit high-performance multi-core processor)	Single Controller (Dual 64-bit high-performance multi-core processor)
	Operation System	Embedded LINUX OS	Embedded LINUX OS	Embedded LINUX OS
	Memory	16 GB (Extendable to 256 GB)	16 GB (Extendable to 256 GB)	16 GB (Extendable to 256 GB)
Performance	Video Direct Storage (Private Protocol)	1024-channel (2048 Mbps) access, storage and forwarding	1024-channel (2048 Mbps) access, storage and forwarding	1024-channel (2048 Mbps) access, storage and forwarding
	Video Direct Storage (ONVIF Protocol)	1024-channel (2048 Mbps) access, storage and forwarding	1024-channel (2048 Mbps) access, storage and forwarding	1024-channel (2048 Mbps) access, storage and forwarding
	Video Direct Storage (Auto Register)	1024-channel (2048 Mbps) access, storage and forwarding	1024-channel (2048 Mbps) access, storage and forwarding	1024-channel (2048 Mbps) access, storage and forwarding
	IPSAN Mode	400-channel (800Mbps) Recording 24-channel (48Mbps) Playback (I/O size of VMS is 64KB)	400-channel (800Mbps) Recording 24-channel (48Mbps) Playback (I/O size of VMS is 64KB)	400-channel (800Mbps) Recording 24-channel (48Mbps) Playback (I/O size of VMS is 64KB)
Recording Management	Video Compression	H.265+, H.265, H.264+, H.264, MJPEG	H.265+, H.265, H.264+, H.264, MJPEG	H.265+, H.265, H.264+, H.264, MJPEG
	Record Mode	Auto; Manual; Motion Detection; Alarm	Auto; Manual; Motion Detection; Alarm	Auto; Manual; Motion Detection; Alarm
Storage Management	Video Protection	N+M cluster service, ANR, Lock key video	N+M cluster service, ANR, Lock key video	N+M cluster service, ANR, Lock key video
HDD	HDD Slot	48	36	24
	HDD Type	SATA/SAS HDD, Up to 18 TB for each HDD	SATA/SAS HDD, Up to 18 TB for each HDD	SATA/SAS HDD, Up to 18 TB for each HDD
	RAID	RAID 0/1/5/6/10/50/60, JBOD, Hot spare	RAID 0/1/5/6/10/50/60, JBOD, Hot spare	RAID 0/1/5/6/10/50/60, JBOD, Hot spare
Network	Network Mode	Multi-address, Fault-tolerance, Load balance, Link aggregation	Multi-address, Fault-tolerance, Load balance, Link aggregation	Multi-address, Fault-tolerance, Load Balance, Link Aggregation
External Interface	Ethernet Port	1 Gigabit management port 4 Gigabit data ports	1 Gigabit management port 4 Gigabit data ports	1 Gigabit management port 4 Gigabit data ports
	Network Extension (Optional)	4 10-Gigabit optical fiber ports	4 10-Gigabit optical fiber ports	4 10-Gigabit optical fiber ports
	Mini SAS Port	--	--	--
General	Power Supply	Redundant	Redundant	Redundant
	Chassis	6U (Standard 19 inch rack)	4U (Standard 19 inch rack)	4U (Standard 19 inch rack)

EMBEDDED VIDEO STORAGE

EVS Series

	Model	EVS7285S	EVS7148D-V2	EVS7124D-V2	EVS7148S
	Appearance				
System	Main Processor	Single controller (64-bit multi-core processor)	Double Controller (64-bit multi-core processor)	Double Controller (64-bit multi-core processor)	Single Controller (64-bit multi-core processor)
	Operation System	Embedded Linux	Embedded Linux	Embedded Linux	Embedded Linux
	Memory	16 GB (Extendable to 128GB)	16 GB (Extendable to 64GB) for each controller	16 GB (Extendable to 64GB) for each controller	8 GB (Extendable to 64 GB)
Performance	Video Direct Storage (Private Protocol)	1024-channel (2048 Mbps) access, storage and forwarding	512-channel (1024 Mbps) access, storage and forwarding	512-channel (1024 Mbps) access, storage and forwarding	512-channel (1024 Mbps) access, storage and forwarding
	Video Direct Storage (ONVIF Protocol)	1024-channel (2048 Mbps) access, storage and forwarding	512-channel (1024 Mbps) access, storage and forwarding	512-channel (1024 Mbps) access, storage and forwarding	512-channel (1024 Mbps) access, storage and forwarding
	Video Direct Storage (Auto Register)	1024-channel (2048 Mbps) access, storage and forwarding	512-channel (1024 Mbps) access, storage and forwarding	512-channel (1024 Mbps) access, storage and forwarding	512-channel (1024 Mbps) access, storage and forwarding
	IPSAN Mode	360-channel (720Mbps) Recording and 24-channel (48Mbps) Playback (I/O size of VMS is 64KB)	360-channel (720Mbps) Recording and 24-channel (48Mbps) Playback (I/O size of VMS is 64KB)	360-channel (720Mbps) Recording and 24-channel (48Mbps) Playback (I/O size of VMS is 64KB)	360-channel (720Mbps) Recording and 24-channel (48Mbps) Playback (I/O size of VMS is 64KB)
Recording Management	Video Compression	H.265+, H.265, H.264+, H.264, MJPEG	H.265+, H.265, H.264+, H.264, MJPEG	H.265+, H.265, H.264+, H.264, MJPEG	H.265+, H.265, H.264+, H.264, MJPEG
	Record Mode	Manual, Schedule, Motion Detection, Alarm	Manual, Schedule, Motion Detection, Alarm	Manual, Schedule, Motion Detection, Alarm	Manual, Schedule, Motion Detection, Alarm
Storage Management	Video Protection	N+M cluster service, ANR, Lock key video	ANR, Lock key video	ANR, Lock key video	N+M cluster service, ANR, Lock key video
HDD	HDD Slot	85	48	24	48
	HDD Type	SATA/SAS HDD, Up to 18 TB for each HDD	SATA/SAS HDD, Up to 18 TB for each HDD	SATA/SAS HDD, Up to 18 TB for each HDD	SATA/SAS HDD, Up to 18 TB for each HDD
	RAID	RAID 0/1/5/6/10/50/60, JBOD, Hot spare, JRAID	RAID 0/1/5/6/10/50/60, JBOD, Hot spare	RAID 0/1/5/6/10/50/60, JBOD, Hot spare	RAID 0/1/5/6/10/50/60, JBOD, Hot spare
Network	Network Mode	Multi-address, Fault-tolerance, Load balance, Link aggregation	Multi-address, Fault-tolerance, Load Balance, Link Aggregation	Multi-address, Fault-tolerance, Load Balance, Link Aggregation	Multi-address, Fault-tolerance, Load Balance, Link Aggregation
External Interface	Ethernet Port	1 Gigabit management port 4 Gigabit LAN ports	1 Gigabit management port for each controller 4 Gigabit LAN ports for each controller	1 Gigabit management port for each controller 4 Gigabit LAN ports for each controller	1 Gigabit management port 4 Gigabit LAN ports
	Network Extension (Optional)	2 10-Gigabit optical fiber ports for each controller, 4 1-GbE LAN ports/controller	2 10-Gigabit optical fiber ports for each controller, 4 1-GbE LAN ports/controller	2 10-Gigabit optical fiber ports for each controller, 4 1-GbE LAN ports/controller	2 10-Gigabit optical fiber ports, 4 1-GbE LAN ports
	Mini SAS Port	--	1 SAS (Up to 12 Gbps)/controller	1 SAS (Up to 12 Gbps)/controller	2 SAS (Up to 12 Gbps)
General	Power Supply	Redundant	Redundant	Redundant	Redundant
	Chassis	4U (Standard 19 inch rack)	6U (Standard 19 inch rack)	4U (Standard 19 inch rack)	6U (Standard 19 inch rack)

EMBEDDED VIDEO STORAGE

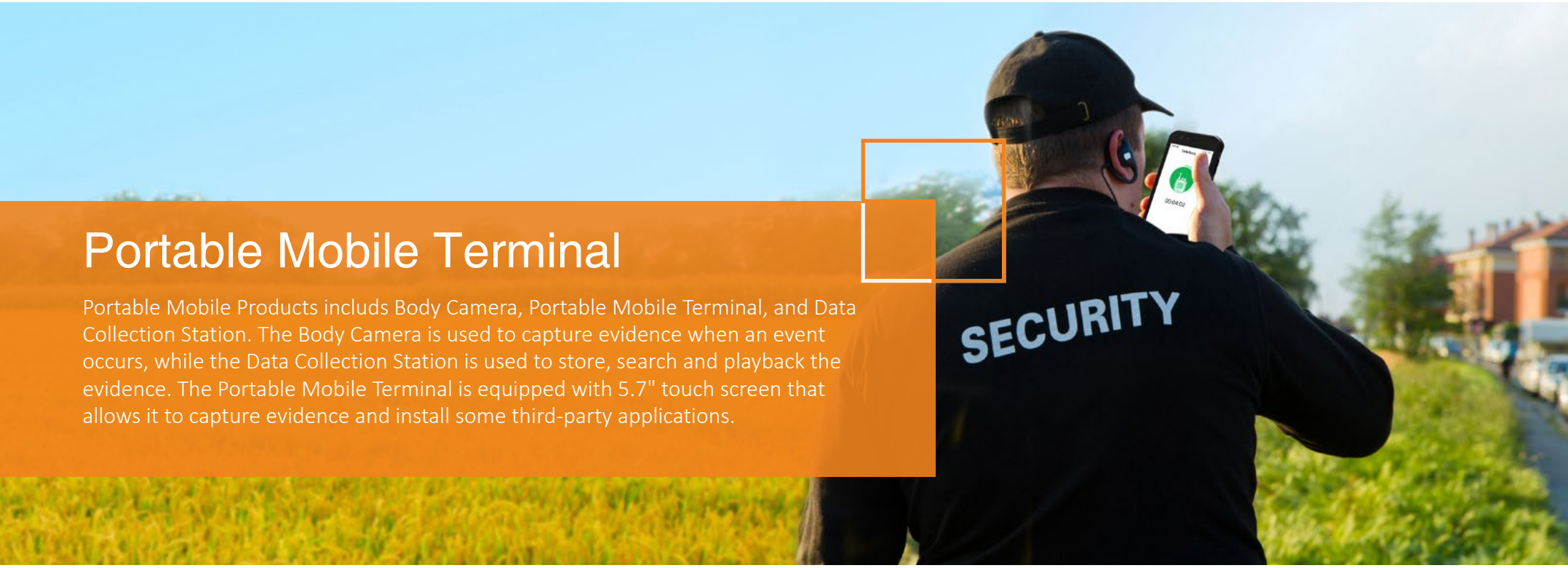
EVS Series

	Model	EVS7136S	EVS7124S	EVS5148S
	Appearance			
System	Main Processor	Single controller(64-bit multi-core processor)	Single controller(64-bit multi-core processor)	Single Controller (64-bit multi-core processor)
	Operation System	Embedded Linux	Embedded Linux	Embedded Linux
	Memory	8 GB (Extendable to 64 GB)	8 GB (Extendable to 64 GB)	8 GB (Extendable to 64 GB)
Performance	Video Direct Storage (Private Protocol)	512-channel (1024 Mbps) access, storage and forwarding	512-channel (1024 Mbps) access, storage and forwarding	320-channel (800 Mbps) access, storage and forwarding
	Video Direct Storage (ONVIF Protocol)	512-channel (1024 Mbps) access, storage and forwarding	512-channel (1024 Mbps) access, storage and forwarding	320-channel (800 Mbps) access, storage and forwarding
	Video Direct Storage (Auto Register)	512-channel (1024 Mbps) access, storage and forwarding	512-channel (1024 Mbps) access, storage and forwarding	320-channel (800 Mbps) access, storage and forwarding
	IPSAN Mode	360-channel (720Mbps) Recording and 24-channel (48Mbps) Playback (I/O size of VMS is 64KB)	360-channel (720Mbps) Recording and 24-channel (48Mbps) Playback (I/O size of VMS is 64KB)	280-channel (560Mbps) Recording and 24-channel (48Mbps) Playback (I/O size of VMS is 64KB)
Recording Management	Video Compression	H.265+, H.265, H.264+, H.264, MJPEG	H.265+, H.265, H.264+, H.264, MJPEG	H.265+, H.265, H.264+, H.264, MJPEG
	Record Mode	Manual, Schedule, Motion Detection, Alarm	Manual, Schedule, Motion Detection, Alarm	Manual, Schedule, Motion Detection, Alarm
Storage Management	Video Protection	N+M cluster service, ANR, Lock key video	N+M cluster service, ANR, Lock key video	N+M cluster service, ANR, Lock key video
HDD	HDD Slot	36	24	48
	HDD Type	SATA/SAS HDD, Up to 18 TB for each HDD	SATA/SAS HDD, Up to 18 TB for each HDD	SATA HDD, Up to 18 TB for each HDD
	RAID	RAID 0/1/5/6/10/50/60, JBOD, Hot spare	RAID 0/1/5/6/10/50/60, JBOD, Hot spare	RAID 0/1/5/6/10/50/60, Hot spare
Network	Network Mode	Multi-address, Fault-tolerance, Load balance, Link aggregation	Multi-address, Fault-tolerance, Load balance, Link aggregation	Multi-address, Fault-tolerance, Load Balance, Link Aggregation
External Interface	Ethernet Port	1 Gigabit management port, 4 Gigabit LAN ports	1 Gigabit management port, 4 Gigabit data ports	1 RJ-45 10/100 Mbps self-adaptive Ethernet ports, 4 Gigabit LAN ports
	Network Extension (Optional)	2 10-Gigabit optical fiber ports, 4 1-GbE LAN ports	2 10-Gigabit optical fiber ports, 4 1-GbE LAN ports	2 10-Gigabit optical fiber ports, 4 1-GbE LAN ports
	Mini SAS Port	2 SAS (Up to 12 Gbps)	2 SAS (Up to 12 Gbps)	--
General	Power Supply	Redundant	Redundant	Redundant
	Chassis	4U (Standard 19 inch rack)	4U (Standard 19 inch rack)	6U (Standard 19 inch rack)

EMBEDDED VIDEO STORAGE

EVS Series

	Model	EVS5136S	EVS5124S	EVS5016S-R-V2	EVS5016S-V2
	Appearance				
System	Main Processor	Single Controller (64-bit multi-core processor)	Single Controller (64-bit multi-core processor)	Single Controller (64-bit multi-core processor)	Single Controller (64-bit multi-core processor)
	Operation System	Embedded Linux	Embedded Linux	Embedded Linux	Embedded Linux
	Memory	8 GB (Extendable to 64 GB)	8 GB (Extendable to 64 GB)	8 GB (Extendable to 32 GB)	8 GB (Extendable to 32 GB)
Performance	Video Direct Storage (Private Protocol)	320-channel (800 Mbps) access, storage and forwarding	320-channel (800 Mbps) access, storage and forwarding	320-channel (800 Mbps) access, storage and forwarding	320-channel (800 Mbps) access, storage and forwarding
	Video Direct Storage (ONVIF Protocol)	320-channel (800 Mbps) access, storage and forwarding	320-channel (800 Mbps) access, storage and forwarding	320-channel (800 Mbps) access, storage and forwarding	320-channel (800 Mbps) access, storage and forwarding
	Video Direct Storage (Auto Register)	320-channel (800 Mbps) access, storage and forwarding	320-channel (800 Mbps) access, storage and forwarding	320-channel (800 Mbps) access, storage and forwarding	320-channel (800 Mbps) access, storage and forwarding
	IPSAN Mode	280-channel (560Mbps) Recording and 24-channel (48Mbps) Playback (I/O size of VMS is 64KB)	280-channel (560Mbps) Recording and 24-channel (48Mbps) Playback (I/O size of VMS is 64KB)	280-channel (560Mbps) Recording and 24-channel (48Mbps) Playback (I/O size of VMS is 64KB)	280-channel (560Mbps) Recording and 24-channel (48Mbps) Playback (I/O size of VMS is 64KB)
Recording Management	Video Compression	H.265+, H.265, H.264+, H.264, MJPEG	H.265+, H.265, H.264+, H.264, MJPEG	H.265+, H.265, H.264+, H.264, MJPEG	H.265+, H.265, H.264+, H.264, MJPEG
	Record Mode	Manual, Schedule, Motion Detection, Alarm	Manual, Schedule, Motion Detection, Alarm	Manual, Schedule, Motion Detection, Alarm	Manual, Schedule, Motion Detection, Alarm
Storage Management	Video Protection	N+M cluster service, ANR, Lock key video	N+M cluster service, ANR, Lock key video	N+M cluster service, ANR, Lock key video	N+M cluster service, ANR, Lock key video
HDD	HDD Slot	36	24	16	16
	HDD Type	SATA HDD, Up to 18 TB for each HDD	SATA HDD, Up to 18 TB for each HDD	SATA HDD, Up to 18 TB for each HDD	SATA HDD, Up to 18 TB for each HDD
	RAID	RAID 0/1/5/6/10/50/60, Hot spare	RAID 0/1/5/6/10/50/60, Hot spare	RAID 0/1/5/6/10/50/60, Hot spare	RAID 0/1/5/6/10/50/60, Hot spare
Network	Network Mode	Multi-address, Fault-tolerance, Load balance, Link aggregation	Multi-address, Fault-tolerance, Load balance, Link aggregation	Multi-address, Fault-tolerance, Load balance, Link aggregation	Multi-address, Fault-tolerance, Load balance, Link aggregation
External Interface	Ethernet Port	1 RJ-45 10/100 Mbps self-adaptive Ethernet ports, 4 Gigabit LAN ports	1 RJ-45 10/100 Mbps self-adaptive Ethernet ports, 4 Gigabit LAN ports	2 RJ-45 10/100/1000 Mbps self-adaptive Ethernet ports	2 RJ-45 10/100/1000 Mbps self-adaptive Ethernet ports
	Network Extension (Optional)	2 10-Gigabit optical fiber ports, 4 1-GbE LAN ports	2 10-Gigabit optical fiber ports, 4 1-GbE LAN ports	2 10-Gigabit optical fiber ports, 4 1-GbE LAN ports	2 10-Gigabit optical fiber ports, 4 1-GbE LAN ports
	Mini SAS Port	--	--	--	--
General	Power Supply	Redundant	Redundant	Redundant	Single
	Chassis	4U (Standard 19 inch rack)	4U (Standard 19 inch rack)	3U (Standard 19 inch rack)	3U (Standard 19 inch rack)



Portable Mobile Terminal

Portable Mobile Products includs Body Camera, Portable Mobile Terminal, and Data Collection Station. The Body Camera is used to capture evidence when an event occurs, while the Data Collection Station is used to store, search and playback the evidence. The Portable Mobile Terminal is equipped with 5.7" touch screen that allows it to capture evidence and install some third-party applications.

Convenient

Body Camera is convenient to carry and be used to capture audio/video when an event occurs.

Reliable

Body Camera supports IP68 and 2-meter drop test.

Data Management

Data Collection Station and download files from body cameras automatically, search and playback recordings, and mark important files.

Device Management

Data Collection Station can automatically charge body cameras and upgrade the body camera firmware.

PORTABLE MOBILE TERMINAL

Body Camera

Model	MPT221-S	MPT221	MPT220	MPT221-SA
Appearance				
Operation System	Android 9.0	Android 9.0	Android 9.0	Android 9.0
Storage	64GB built-in storage, up to 256GB external storage (microSD Card)	16GB built-in storage, up to 256GB external storage (microSD Card)	16GB built-in storage, up to 256GB external storage (microSD Card)	16GB built-in storage, up to 256GB external storage (microSD Card)
Screen	2.0" touch screen	2.0" touch screen	2.0" touch screen	2.0" touch screen
Image Sensor	1/3" CMOS	1/3" CMOS	1/3" CMOS	1/3" CMOS
Aperture	F2.4	F2.4	F2.4	F2.4
FOV	FOV-H: 124°; FOV-D: 141°	FOV-H: 124°; FOV-D: 141°	FOV-H: 124°; FOV-D: 141°	FOV-H: 124°; FOV-D: 141°
Video Compression	H.265; H.264	H.265; H.264	H.265; H.264	H.265; H.264
Video Resolution	1080P, 720P, WVGA	1080P, 720P, WVGA	1080P, 720P, WVGA	1080P, 720P, WVGA
Frame Rate	1080P@30fps; 720P@60fps, 720P@30fps; WVGA@30fps	1080P@30fps; 720P@60fps, 720P@30fps; WVGA@30fps	1080P@30fps; 720P@60fps, 720P@30fps; WVGA@30fps	1080P@30fps; 720P@60fps, 720P@30fps; WVGA@30fps
Video Format	mp4; dav	mp4; dav	mp4; dav	mp4; dav
Audio Compression	G.711A	G.711A	G.711A	G.711A
Audio Format	dav	dav	dav	dav
Image Resolution	0.4MP/4MP/16MP/34MP	0.4MP/4MP/16MP/34MP	0.4MP/4MP/16MP/34MP	0.4MP/4MP/16MP/34MP
Image Format	JPEG	JPEG	JPEG	JPEG
Dual Stream	Supported	Supported	Supported	Supported
Video Packing Time	5min/10min/20min/30min	5min/10min/20min/30min	5min/10min/20min/30min	5min/10min/20min/30min
Pre-record/Post-record	Up to 60s	Up to 60s	Up to 60s	Up to 60s
LED Light	Supported	Supported	Supported	Supported
Cellular Network	LTE-FDD: B1/B2/B3/B4/B5/B7/B8/B20/B28 LTE-TDD: B38/B39/B40/B41 WCDMA: B1/B2/B4/B5/B8 GSM/EDGE: 850/900/1800/1900 MHz	LTE-FDD: B1/B2/B3/B4/B5/B7/B8/B20/B28 LTE-TDD: B38/B39/B40/B41 WCDMA: B1/B2/B4/B5/B8 GSM/EDGE: 850/900/1800/1900 MHz	LTE-FDD: B1/B2/B3/B4/B5/B7/B8/B20/B28 LTE-TDD: B38/B39/B40/B41 WCDMA: B1/B2/B4/B5/B8 GSM/EDGE: 850/900/1800/1900 MHz	--
Wi-Fi	802.11 a/b/g/n/ac, 2.4GHz; 5GHz	802.11 a/b/g/n/ac, 2.4GHz; 5GHz	802.11 a/b/g/n/ac, 2.4GHz; 5GHz	--
Bluetooth	BT2.1+EDR/3.0/4.1 LE/4.2 BLE	BT2.1+EDR/3.0/4.1 LE/4.2 BLE	BT2.1+EDR/3.0/4.1 LE/4.2 BLE	--
NFC	--	--	Supported	--
Positioning	GPS/GLONASS; AGPS	GPS/GLONASS; AGPS	GPS/GLONASS; AGPS	GPS
Battery Capacity	3000mAh, replaceable	3000mAh, replaceable	3000mAh, replaceable	3000mAh, replaceable
Service Time	>10 h (1080@30 fps recording)	>10 h (1080@30 fps recording)	>10 h (1080@30 fps recording)	>10 h (1080@30 fps recording)
Charging Time	≤2.5 h (5V 2A, fast charge)	≤2.5 h (5V 2A, fast charge)	≤2.5 h (5V 2A, fast charge)	≤2.5 h (5V 2A, fast charge)
Ingress Protection	IP68; 2m drop test	IP68; 2m drop test	IP68; 2m drop test	IP68; 2m drop test
Working Temperature	-20 °C~+55 °C (-4 °F~+131 °F)	-20 °C~+55 °C (-4 °F~+131 °F)	-20 °C~+55 °C (-4 °F~+131 °F)	-20 °C~+55 °C (-4 °F~+131 °F)
Weight	183g (without clamp)	183g (without clamp)	176g (without clamp)	181g (without clamp)
Dimension (H×W×D)	90.1mm×59.2mm×34.2mm (3.54"×2.33"×1.35")	90.1mm×59.2mm×34.2mm (3.54"×2.33"×1.35")	90mm×60mm×31mm (3.54"×2.36"×1.22")	90.1mm×59.2mm×34.2mm (3.54"×2.33"×1.35")
Button	SOS, Power on/off, Fast Camera, Audio Recording, Video Recording, PTT	SOS, Power on/off, Fast Camera, Audio Recording, Video Recording, PTT	SOS, Power on/off, Fast Camera, Audio Recording, Video Recording, PTT	Power on/off, Fast Camera, Audio Recording, Video Recording
SIM Card	1 Micro SIM Card slot	1 Micro SIM Card slot	1 Micro SIM Card slot	1 Micro SIM Card slot
Interface	1 Micro USB 2.0	1 Micro USB 2.0	1 Micro USB 2.0	1 Micro USB 2.0

PORTABLE MOBILE TERMINAL

Data Collection Station

Data Collection Station is a work station which can collect, store and manage data, such as videos, audios and images, from MPTs. It is convenient for data management, such as search for and play recording files, mark important files. MPTs are also automatically charged at the station when they are connected.

Model	EEC300	EEC300D8-N1	EEC400
Appearance			
Description	Control Module of Wall-mounted Data Collection Station (must work with EEC300D8-N1)	Data Collection Module of Wall-mounted Data Collection Station (must work with EEC300)	Desktop Data Collection Station
Operation System	Embedded Linux	--	Embedded Linux
Screen	13.3 inch Capacitive touchscreen; 1920x1080	--	--
Camera	2MP CMOS HD Camera	--	--
LED Light	1 (only automatically enabled under face recognition scenarios)	--	--
Indicator	--	2 indicators for each dock: file download indicator and network indicator	1 power indicator; 2 indicators for each dock: file download indicator and network indicator
Fingerprint Module	1	--	--
Data Collection Dock	--	8	8
USB Cable	--	8 x micro USB 2.0 cables	8 x micro USB 2.0 cables
Built-in Battery	2600 mAh	--	--
Electronic Lock	--	8, 1 for each dock	--
Mechanical Lock	--	1 at the bottom of the device	--
HDD Interface	6 × SATA3.0; max. 10 TB for one HDD; Support RAID 0/1/5/10	--	4 x SATA3.0; max. 16TB for one HDD
General Port	2 x RJ-45 100M/1000M Network Port; 1 RS232; 1 USB 2.0; 1 USB 3.0; 1 Speaker	--	1 x RJ-45 100M/1000M Network Port; 1 RS232; 1 USB 2.0; 1 USB 3.0; 1 HDMI port
Extension Port	1 Extension Port to connect EEC300D8-N1;	2 on each side (for connecting control module or expanding data connection module)	--
Web Client	Supported	--	Supported
Download Speed	Bandwidth up to 128 MB/s. It is recommended to use 2 HDDs at least for optimal collection speed	Bandwidth up to 128MB/s	Bandwidth up to 64 MB/s
Auto Collection	Supported	Supported	Supported
Priority Collection	Supported	Supported	Supported
Login Control	Face Recognition, Fingerprint, Password	Face Recognition, Fingerprint, Password	Password
Device Update	Supported	Supported	Supported
FTP	Supported	--	Supported
Power Supply	100–240 V AC, 50/60 Hz	Powered by the extension port of the control module	100–240 V AC, 50/60 Hz
Working Temperature	–10 °C to +55 °C (+14 °F to +131 °F)	–10 °C to +55 °C (+14 °F to +131 °F)	–10 °C to +55 °C (+14 °F to +131 °F)
Dimension	630.0 mm × 280.0 mm × 89.9 mm (24.80" × 11.02" × 3.54")	630 mm × 280 mm × 147.2 mm (24.80" × 11.02" × 5.80")	398.8mm × 280.0mm × 107.0mm(15.70" × 11.02" × 4.21")
Weight	9.48 kg (20.90 lb) (without HDD)	8.36 kg (18.43 lb)	4.69 kg (10.34 lb) (without HDD)

NETWORK THERMAL CAMERAS

Security

The Dahua Thermal Security Series camera integrates thermal imaging technology, visible light technology and AI technology to provide all-weather monitoring with high security level. It is an extremely versatile solution for critical infrastructure protection, forest fire prevention, border security, etc. It can be used even in total darkness or harsh weather conditions, providing a wide range of products for users in various industries.

Long Range Detection Capability

Dahua's leading thermal imaging technology has ultra long range detection capability that can spot vehicles (up to 20 km) and human targets (up to 8 km) with fine details.

Advanced Heat Detection

Dual-channel monitoring allows thermal cameras to early detect the source of fire, and visibly track it in the system.

Excellent Environmental Adaptability

Dahua thermal camera can convert the thermal radiation into a visible image even in harsh environments including no-light, backlight, haze and so on.

AI Function Integration

It is equipped with built-in deep learning algorithms and better AI hardware performance in order to meet different business requirements.

Ultra Series

	Model	DHI-TPC-PTD8A41	DHI-TPC-PT8641C	DHI-TPC-PT8441C	DHI-TPC-PT8641B	DHI-TPC-PT8441B
	Appearance					
Thermal	Image Sensor	Vanadium Oxide Unco oled FPA	Vanadium Oxide Uncooled FPA	Vanadium Oxide Uncooled FPA	Vanadium Oxide Uncooled FPA	Vanadium Oxide Uncooled FPA
	Effective Pixels	1280 (H) × 1024 (V)	640 (H) × 512 (V)	400 (H) × 300 (V)	640 (H) × 512 (V)	400 (H) × 300 (V)
	Sensitivity	≤35mK	≤35mK	≤35mK	≤35mK	≤35mK
	Lens	30mm ~ 300mm	20mm~100mm 30mm~150mm 38mm~190mm	20mm~100mm 30mm~150mm 38mm~190mm	20mm~100mm 30mm~150mm 38mm~190mm	150mm 20mm~100mm 30mm~150mm 38mm~190mm
	FOV-H	H: 14.6° ~ 1.47°	H: 31.6°~6.2° H: 20.6°~4.2° H: 16.7°~3.5°	H: 19.3°~3.9° H: 12.9°~2.6° H: 10.2°~2.1°	H: 31.6°~6.2° H: 20.6°~4.2° H: 16.7°~3.5°	H: 2.6° H: 19.3°~3.9° H: 12.9°~2.6° H: 10.2°~2.1°
Visible	Image Sensor	1/1.8" 4M CMOS	1/1.8" 4M CMOS	1/1.8" 4M CMOS	1/1.8" 4M CMOS	1/1.8" 4M CMOS
	Lens	10mm ~ 860mm	6mm~336mm 10mm~600mm 10mm~860mm	6mm~336mm 10mm~600mm 10mm~860mm	6mm~336mm 10mm~600mm 10mm~860mm	6mm~336mm 10mm~600mm 10mm~860mm
	FOV-H	H: 41.2° ~ 0.52°	H: 64.4°~1.28° H: 41.2°~1.2° H: 20.82°~0.5°	H: 64.4°~1.28° H: 41.2°~1.2° H: 20.82°~0.5°	H: 64.4°~1.28° H: 41.2°~1.2° H: 20.82°~0.5°	H: 64.4°~1.28° H: 41.2°~1.2° H: 20.82°~0.5°
Laser Range Finder (Optional)	Wavelength	--	1.57μm (Eye safe)	1.57μm (Eye safe)	--	--
	Effective Distance	--	50~5000m (164ft~16404ft)	50~5000m (164ft~16404ft)	--	--
Laser Illuminator (Optional)	Wavelength	808±5nm	808±5nm	808±5nm	--	--
	Effective Distance	3000m (9842ft)	3000m (9842ft)	3000m (9842ft)	--	--
General	Video Compression	H.265/H.264M/H.264H	H.265/H.264/H.264H	H.265/H.264/H.264H	H.265/H.264M/H.264H/H.264B	H.265/H.264M/H.264H/H.264B
	Pan/Tilt Range	300 presets, Pan: 0° ~ 360° endless, Tilt:-45° ~ 85°	300 presets, Pan: 0°~360° endless, Tilt:-45°~60°	300 presets, Pan: 0°~360° endless, Tilt:-45°~60°	300 presets, Pan: 0°~360° endless, Tilt:-45°~60°	300 presets, Pan: 0°~360° endless, Tilt:-45°~60°
	Intelligent Video	IVS, Human/Vehicle classification, Heat Detection & alarm, Cold/Hot spot trace, Auto Tracking/Boat detection	IVS, Human/Vehicle Classification, Heat Detection & Alarm, Cold/Hot Spot Trace, Auto Tracking, Boat Detection, Smoke Detection	IVS, Human/Vehicle Classification, Heat Detection & Alarm, Cold/Hot Spot Trace, Auto Tracking, Boat Detection, Smoke Detection	IVS, Human/Vehicle Classification, Heat Detection & Alarm, Cold/Hot Spot Trace, Auto Tracking, Boat Detection, Smoke Detection	IVS, Human/Vehicle Classification, Heat Detection & Alarm, Cold/Hot Spot Trace, Auto Tracking, Boat Detection, Smoke Detection
	Compatibility	ONVIF Profile S&G, API	ONVIF (Profile S&G); CGI	ONVIF (Profile S&G); CGI	ONVIF (Profile S&G); CGI	ONVIF (Profile S&G); CGI
	Ingress Protection	Sphere:IP67 Base:IP66	IP66	IP66	IP66	IP66
	Working Temperature	-40°C ~ +70°C	-40°C~+70°C	-40°C~+70°C	-40°C~+70°C	-40°C~+70°C
	Power	DC36-57V, <530W	AC100V~300V, <260W	AC100V~300V, <260W	AC100V~300V, <260W	AC100V~300V, <260W

NETWORK THERMAL CAMERAS

Ultra Series

	Model	DHI-TPC-PT8641D	DHI-TPC-PT8441D	DHI-TPC-PT8641MA	DHI-TPC-PT8441MA
	Appearance			WizMind	WizMind
Thermal	Image Sensor	Vanadium Oxide Uncooled FPA	Vanadium Oxide Uncooled FPA	Vanadium Oxide Uncooled FPA	Vanadium Oxide Uncooled FPA
	Effective Pixels	640 (H) × 512 (V)	400 (H) × 300 (V)	640 (H) × 512 (V)	400 (H) × 300 (V)
	Sensitivity	≤35mK	≤35mK	≤35mK	≤35mK
	Lens	50mm/75mm/100mm/21 ~ 105mm/ 26 ~ 130mm	50mm/75mm/100mm	13mm/25mm/35mm/50mm	13mm/25mm/35mm/50mm
	FOV-H	H: 12.4°/8.3°/6.2°/20.72° ~ 4.19°/ 16.80° ~ 3.38°	H: 7.8°/5.2°/3.9°	H: 32.91°/17.46°/12.52°/8.78°	H: 29.31°/15.49°/11.10°/7.78°
Visible	Image Sensor	1/1.8" 4M CMOS	1/1.8" 4M CMOS	1/1.8" 4M CMOS	1/1.8" 4M CMOS
	Lens	6mm~336mm	6mm~336mm	5.5mm~248mm	5.5mm~248mm
	FOV-H	H: 64.4°~1.28°	H: 64.4°~1.28°	H: 63.5°–1.9°	H: 63.5°–1.9°
	IR Distance	--	--	100m (328ft)	100m (328ft)
Laser Range Finder (Optional)	Wavelength	905nm	905nm	--	--
	Effective Distance	1500m (4921ft) optional	1500m (4921ft) optional	--	--
Laser Illuminator (Optional)	Wavelength	850±10nm	850±10nm	--	--
	Effective Distance	800m (2624ft) optional	800m (2624ft) optional	--	--
General	Video Compression	H.265/H.264/H.264H	H.265/H.264/H.264H	H.265/H.264M/H.264H/H.264B	H.265/H.264M/H.264H/H.264B
	Pan/Tilt Range	300 presets, Pan: 0°~360° endless, Tilt:-45°~90°	300 presets, Pan: 0°~360° endless, Tilt:-45°~90°	300 presets, Pan: 0°~360° endless, Tilt:-90°~90°	300 presets, Pan: 0°~360° endless, Tilt:-90°~90°
	Intelligent Video	IVS, Human/Vehicle Classification, Heat Detection & Alarm, Cold/Hot Spot Trace, Auto Tracking, Boat Detection, Smoke Detection	IVS, Human/Vehicle Classification, Heat Detection & Alarm, Cold/Hot Spot Trace, Auto Tracking, Boat Detection, Smoke Detection	IVS, Human/Vehicle Classification, Heat Detection & Alarm, Cold/Hot Spot Trace,Auto Tracking, Smoke Detection	IVS, Human/Vehicle Classification, Heat Detection & Alarm, Cold/Hot Spot Trace,Auto Tracking, Smoke Detection
	Compatibility	ONVIF (Profile S&G); CGI	ONVIF (Profile S&G); CGI	ONVIF (Profile S&G); CGI	ONVIF (Profile S&G); CGI
	Ingress Protection	IP66	IP66	IP66	IP66
	Working Temperature	-40°C~+70°C	-40°C~+70°C	-40°C~+70°C	-40°C~+70°C
	Power	DC24-57V, ≤92W	DC24-57V, ≤92W	DC10-36V, <50W	DC10-36V, <50W

NETWORK THERMAL CAMERAS

Ultra Series

	Model	DHI-TPC-SD8641B	DHI-TPC-SD8441B	DHI-TPC-SDA8641	DHI-TPC-SDA8441
	Appearance				
Thermal	Image Sensor	Vanadium Oxide Uncooled FPA	Vanadium Oxide Uncooled FPA	Vanadium Oxide Uncooled FPA	Vanadium Oxide Uncooled FPA
	Effective Pixels	640 (H) × 512 (V)	400 (H) × 300 (V)	640 (H) × 512 (V)	400 (H) × 300 (V)
	Sensitivity	≤35mK	≤35mK	≤35mK	≤35mK
	Lens	25mm/35mm/50mm	25mm/35mm/50mm	25mm/50mm	25mm/50mm
	FOV-H	H: 24.6°/17.6°/12.4°	H: 15.5°/11.1°/7.8°	H: 24.6°/12.4°	H: 15.5°/7.8°
Visible	Image Sensor	1/1.8" 4M CMOS	1/1.8" 4M CMOS	1/1.8" 4M CMOS	1/1.8 4MP CMOS
	Lens	5.5mm~248mm	5.5mm~248mm	5.5 mm~248 mm	5.5 mm~248 mm
	FOV-H	H: 62.32°~1.71°	H: 62.32°~1.71°	H: 61.8°~2.2°	H: 61.8°~2.2°
	IR Distance	150m (492ft)	150m (492ft)	250m (820ft)	250m (820ft)
General	Video Compression	H.265/H.264/H.264H	H.265/H.264/H.264H	H.265; H.264M; H.264H	H.265; H.264M; H.264H
	Pan/Tilt Range	300 presets, Pan: 0°~360° endless, Tilt:-27°~90°	300 presets, Pan: 0°~360° endless, Tilt:-27°~90°	300 presets, Thermal: Pan: 0°~190° ; Tilt:-5°~180° Visible: Pan: 0°~360° endless; Tilt:-30°~90°	300 presets, Thermal: Pan: 0°~190° ; Tilt:-5°~180° Visible: Pan: 0°~360° endless; Tilt:-30°~90°
	Intelligent Video	IVS, Human/Vehicle Classification, Heat Detection & Alarm, Cold/Hot Spot Trace, Auto Tracking, Boat Detection	IVS, Human/Vehicle Classification, Heat Detection & Alarm, Cold/Hot Spot Trace, Auto Tracking, Boat Detection	IVS, Human/Vehicle Classification, Heat Detection & Alarm, Cold/Hot Spot Trace, Auto Tracking, Boat Detection	IVS, Human/Vehicle Classification, Heat Detection & Alarm, Cold/Hot Spot Trace, Auto Tracking, Boat Detection
	Compatibility	ONVIF (Profile S&G); CGI	ONVIF (Profile S&G); CGI	ONVIF (Profile S&G); CGI	ONVIF (Profile S&G); CGI
	Ingress Protection	IP66	IP66	IP66	IP66
	Working Temperature	-40°C~+70°C	-40°C~+70°C	-40°C~+65°C	-40°C~+65°C
	Power	DC36V/Hi-PoE, <50W	DC36V/Hi-PoE, <50W	DC36V, <58W	DC36V, <58W

NETWORK THERMAL CAMERAS

Pro Series

	Model	DHI-TPC-SD5641	DHI-TPC-SD5441	DHI-TPC-BF5641	DHI-TPC-BF5441	DHI-TPC-BF5601	DHI-TPC-BF5401
	Appearance						
Thermal	Image Sensor	Vanadium Oxide Uncooled FPA	Vanadium Oxide Uncooled FPA	Vanadium Oxide Uncooled FPA	Vanadium Oxide Uncooled FPA	Vanadium Oxide Uncooled FPA	Vanadium Oxide Uncooled FPA
	Effective Pixels	640 (H) × 512 (V)	400 (H) × 300 (V)	640 (H) × 512 (V)	400 (H) × 300 (V)	640 (H) × 512 (V)	400 (H) × 300 (V)
	Sensitivity	≤35mK	≤35mK	≤35mK	≤35mK	≤35mK	≤35mK
	Lens	18mm/25mm/35mm/50mm	25mm/35mm/50mm	5mm/9mm/13mm/ 19mm/25mm/35mm	7.5mm/13mm/19mm/ 25mm/35mm	5mm/7.5mm/9mm/13mm/ 19mm/25mm/35mm	7.5mm/13mm/25mm/35mm
	FOV-H	H: 22.9°/17.6°/11.1°/9.2°	H: 15.5°/11.1°/7.8°	H: 90.0°/50.0°/32.0°/ 22.9°/16.7°/12.5°	H: 53.7°/30.4°/20.3°/15.5°/11.1°	H: 90°/63.8°/48.6°/37°/22.8°/ 17.6°/12.5°	H: 53.7°/30.2°/15.5°/11.1°
Visible	Image Sensor	1/2.8" 4M CMOS	1/2.8" 4M CMOS	1/1.8"CMOS	1/1.8"CMOS	--	--
	Lens	3.95mm~177.75mm	3.95mm~177.75mm	4mm/6mm/12mm/10-30mm	4mm/6mm/12mm/10-30mm	--	--
	FOV-H	H: 67.5°~1.9°	H: 67.5°~1.9°	H: 87.0°/55.3°/37.3°/15.5°	H: 87.0°/55.3°/37.3°/15.5°	--	--
	IR Distance	100m (328ft)	100m (328ft)	80m (262.47 ft)	80m (262.47 ft)	--	--
General	Video Compression	H.265/H.264M/H.264H	H.265/H.264M/H.264H	H.265/H.264M/H.264H	H.265/H.264M/H.264H	H.265/H.264/MJPEG	H.265/H.264/MJPEG
	Pan/Tilt Range	300 presets, Pan: 0°~360° endless, Tilt:-10°~90°	300 presets, Pan: 0°~360° endless, Tilt:-10°~90°	--	--	--	--
	Intelligent Video	IVS, Human/Vehicle classification, Heat Detection & alarm, Auto Tracking, Boat detection,	IVS, Human/Vehicle classification, Heat Detection & alarm, Auto Tracking/Boat detection,	IVS, Human/Vehicle classification, Heat Detection & alarm	IVS, Human/Vehicle classification, Heat Detection & alarm	IVS, Human/Vehicle classification, Heat Detection & alarm	IVS, Human/Vehicle classification, Heat Detection & alarm
	Compatibility	ONVIF (Profile S&G); CGI	ONVIF (Profile S&G); CGI	ONVIF (Profile S&G); CGI	ONVIF (Profile S&G); CGI	ONVIF (Profile S&G); CGI	ONVIF (Profile S&G); CGI
	Ingress Protection	IP66	IP66	IP67	IP67	IP67	IP67
	Working Temperature	-30°C~+60°C	-30°C~+60°C	-30°C~+70°C	-30°C~+70°C	-40°C~+70°C	-40°C~+70°C
	Power	DC36V/Hi-PoE, ≤40W	DC36V/Hi-PoE, ≤40W	DC12V/PoE/ePoE, ≤15W	DC12V/PoE/ePoE, ≤15W	DC12V/PoE/ePoE, <13W	DC12V/PoE/ePoE, <13W

Anti-corrosion Series

	Model	DHI-TPC-PT8641C-AC	DHI-TPC-PT8641D-AC	DHI-TPC-PT8441D-AC
	Appearance			
Thermal	Image Sensor	Vanadium Oxide Uncooled FPA	Vanadium Oxide Uncooled FPA	Vanadium Oxide Uncooled FPA
	Effective Pixels	640 (H) × 512 (V)	640 (H) × 512 (V)	400 (H) × 300 (V)
	Sensitivity	≤35mK	≤35mK	≤35mK
	Lens	20mm~100mm 30mm~150mm 38mm~190mm	50mm/75mm/100mm	50mm/75mm/100mm
	FOV-H	H: 31.6°~6.2° H: 20.6°~4.2° H: 16.7°~3.5°	H: 12.4°/8.3°/6.2°	H: 7.8°/5.2°/3.9°
Visible	Image Sensor	1/1.8" 4M CMOS	1/1.8" 4M CMOS	1/1.8" 4M CMOS
	Lens	6mm~336mm 10mm~600mm 10mm~860mm	6mm~336mm	6mm~336mm
	FOV-H	H: 64.4°~1.28° H: 41.2°~1.2° H: 20.82°~0.5°	H: 64.4°~1.28°	H: 64.4°~1.28°
Laser Range Finder (Optional)	Wavelength	1.57μm (eye safe)	--	--
	Wavelength	50~5000m (164ft~16404ft)	--	--
	Effective Distance	±2m	--	--
Laser Illuminator (Optional)	Wavelength	808±5nm	808±5nm	808±5nm
	Effective Distance	3000m (9842ft)	800m (2624ft)/2000m (6562ft)	800m (2624ft)/2000m (6562ft)
General	Video Compression	H.265/H.264/MJPEG	H.265/H.264M/H.264H/H.264B	H.265/H.264M/H.264H/H.264B
	Pan/Tilt Range	300 presets, Pan: 0°~360° endless, Tilt:-45°~60°	300 presets, Pan: 0°~360° endless, Tilt:-45°~90°	300 presets, Pan: 0°~360° endless, Tilt:-45°~90°
	Intelligent Video	IVS, Human/Vehicle Classification, Heat Detection & Alarm, Cold/Hot Spot Trace, Auto Tracking, Boat Detection	IVS, Human/Vehicle Classification, Heat Detection & Alarm, Cold/Hot Spot Trace, Auto Tracking, Boat Detection	IVS, Human/Vehicle Classification, Heat Detection & Alarm, Cold/Hot Spot Trace, Auto Tracking, Boat Detection
	Compatibility	ONVIF (Profile S&G); CGI	ONVIF (Profile S&G); CGI	ONVIF (Profile S&G); CGI
	Ingress Protection	IP66	IP66	IP66
	Corrosion Protection	NEMA 4X	NEMA 4X	NEMA 4X
	Working Temperature	-40°C~+70°C	-40°C~+70°C	-40°C~+70°C
	Power	AC100V~300V, <260W	DC24-57V, <100W	DC24-57V, <100W

NETWORK THERMAL CAMERAS

Anti-corrosion Series

	Model	DHI-TPC-SD5641-AC	DHI-TPC-SD5441-AC	DHI-TPC-BF5641-AC	DHI-TPC-BF5441-AC
	Appearance				
Thermal	Image Sensor	Vanadium Oxide Uncooled FPA	Vanadium Oxide Uncooled FPA	Vanadium Oxide Uncooled FPA	Vanadium Oxide Uncooled FPA
	Effective Pixels	640 (H) × 512 (V)	400 (H) × 300 (V)	640 (H) × 512 (V)	400 (H) × 300 (V)
	Sensitivity	≤35mK	≤35mK	≤35mK	≤35mK
	Lens	18mm/25mm/35mm	25mm/35mm/50mm	13mm/25mm/35mm	13mm/25mm/35mm
	FOV-H	H: 22.9°/17.6°/12.5°	H: 15.5°/11.1°/7.8°	32.0°/17.6°/12.5°	H: 30.4°/15.5°/11.1°
Visible	Image Sensor	1/2.8" 4M CMOS	1/2.8" 4M CMOS	1/1.8"CMOS	1/1.8"CMOS
	Lens	3.95mm~177.75mm	3.95mm~177.75mm	6mm/12mm/10-30mm	6mm/12mm/10-30mm
	FOV-H	H: 67.5°~1.9°	H: 67.5°~1.9°	H: 55.3°/37.3°/15.5°	H: 55.3°/37.3°/15.5°
	IR Distance	100m (328ft)	100m (328ft)	80m (262ft)	80m (262ft)
General	Video Compression	H.265/H.264M/H.264H	H.265/H.264M/H.264H	H.265/H.264M/H.264H	H.265/H.264M/H.264H
	Pan/Tilt Range	Pan: 0°~360° endless Tilt:-10°~+90°	Pan: 0°~360° endless Tilt:-10°~+90°	--	--
	Intelligent Video	IVS, Human/Vehicle Classification, Heat Detection & Alarm, Cold/Hot Spot Trace, Auto Tracking, Boat Detection	IVS, Human/Vehicle Classification, Heat Detection & Alarm, Cold/Hot Spot Trace, Auto Tracking, Boat Detection	IVS, Human/Vehicle Classification, Heat Detection & Alarm, Cold/Hot Spot Trace	IVS, Human/Vehicle Classification, Heat Detection & Alarm, Cold/Hot Spot Trace
	Compatibility	ONVIF (Profile S&G); CGI	ONVIF (Profile S&G); CGI	ONVIF (Profile S&G); CGI	ONVIF (Profile S&G); CGI
	Ingress Protection	IP66	IP66	IP67	IP67
	Corrosion Protection	NEMA 4X	NEMA 4X	NEMA 4X	NEMA 4X
	Working Temperature	-30°C~+60°C	-30°C~+60°C	-30°C~+70°C	-30°C~+70°C
	Power	DC36V/Hi-PoE, ≤40W	DC36V/Hi-PoE, ≤40W	DC12V/PoE/ePoE, ≤15W	DC12V/PoE/ePoE, ≤15W

Thermography

Dahua adopts high precision sensor and advanced temperature measurement algorithm, which can realize accurate and wide-range temperature measurement. In addition, a variety of temperature measurement rules are supported to meet the needs of end users for different scenarios.

Industrial Temperature Measurement

Industrial temperature measurement distance is as far as 50 meters, which meets the requirements for 24/7 real-time monitoring of multiple devices.

High Accuracy

Its industrial temperature measurement accuracy can reach up to ±2 °C.

NETWORK THERMAL CAMERAS

		Ultra Series		Pro Series	
	Model	DHI-TPC-PT8641MA-T	DHI-TPC-PT8441MA-T	DHI-TPC-SD5641-T	DHI-TPC-SD5441-T
	Appearance				
Thermal	Image Sensor	Vanadium Oxide Uncooled FPA	Vanadium Oxide Uncooled FPA	Vanadium Oxide Uncooled FPA	Vanadium Oxide Uncooled FPA
	Effective Pixels	640 (H) × 512 (V)	400 (H) × 300 (V)	640 (H) × 512 (V)	400 (H) × 300 (V)
	Sensitivity	≤35mK	≤35mK	≤35mK	≤35mK
	Lens	9mm/13mm/25mm/50mm	7.5mm/13mm/25mm motorized/50mm	5mm/9mm/18 mm/25mm/35 mm	7mm/13mm/19mm/25mm/35mm/50mm
	FOV-H	H:48.6°/37.7°/17.46°/8.78°	H: 51.2°/30.4°/15.49°/7.78°	H: 90.0°/50.0°/22.9°/17.6°/H: 11.1°	H:51.8°/30.2°/20.3°/15.5°/11.1°/7.8°
	Temperature Range & Accuracy	Low temperature mode: -20°C ~ +150°C High temperature mode: 0°C ~ +550°C Max (±2°C, ±2%) Operating temperature: -20°C ~ +60°C	Low temperature mode: -20°C ~ +150°C High temperature mode: 0°C ~ +550°C Max (±2°C, ±2%) Operating temperature: -20°C ~ +60°C	Low temperature mode: -20°C ~ +150°C High temperature mode: 0°C ~ +550°C Max (±2°C, ±2%) Operating temperature: -20°C ~ +60°C	Low temperature mode: -20°C ~ +150°C High temperature mode: 0°C ~ +550°C Max (±2°C, ±2%) Operating temperature: -20°C ~ +60°C
	Measurement Rule	Spot: 12 Line: 12 Area: 12 Supports 12 rules simultaneously	Spot: 12 Line: 12 Area: 12 Supports 12 rules simultaneously	Spot: 12 Line: 12 Area: 12 Supports 12 rules simultaneously	Spot: 12 Line: 12 Area: 12 Supports 12 rules simultaneously
	Temperature Alarm	Supported	Supported	Supported	Supported
Visible	Image Sensor	1/1.8" 4M CMOS	1/1.8" 4M CMOS	1/2.8" 4M CMOS	1/2.8" 4M CMOS
	Lens	5.5mm~248mm	5.5mm~248mm	3.95mm~177.75mm	3.95mm~177.75mm
	FOV-H	H: 63.5°–1.9°	H: 63.5°–1.9°	H: 67.5°~1.9°	H: 67.5°~1.9°
	IR Distance	100m (328ft)	100m (328ft)	100m (328ft)	100m (328ft)
General	Video Compression	H.265/H.264M/H.264H/H.264B	H.265/H.264M/H.264H/H.264B	H.265/H.264M/H.264H	H.265/H.264M/H.264H
	Pan/Tilt Range	300 presets, Pan: 0°~360° endless, Tilt:-90°~90°	300 presets, Pan: 0°~360° endless, Tilt:-90°~90°	300 presets, Pan: 0°~360° endless, Tilt:-10°~90°	300 presets, Pan: 0°~360° endless, Tilt:-10°~90°
	Intelligent Video	Cold/Hot Spot Trace, Auto Tracking	Cold/Hot Spot Trace, Auto Tracking	Cold/Hot Spot Trace, Auto Tracking	Cold/Hot Spot Trace, Auto Tracking
	Compatibility	ONVIF (Profile S&G); CGI	ONVIF (Profile S&G); CGI	ONVIF (Profile S&G); CGI	ONVIF (Profile S&G); CGI
	Ingress Protection	IP66	IP66	IP66	IP66
	Working Temperature	-40°C~+70°C	-40°C~+70°C	-30°C~+60°C	-30°C~+60°C
	Power	DC10-36V, <50W	DC10-36V, <50W	DC36V/Hi-PoE, ≤40W	DC36V/Hi-PoE, ≤40W

NETWORK THERMAL CAMERAS

Pro Series						On-line Thermography Series	
	Model	DHI-TPC-BF5641-T	DHI-TPC-BF5441-T	DHI-TPC-BF5601-T	DHI-TPC-BF5401-T	DHI-TPC-AT5401-T	DHI-TPC-KF2241-T
	Appearance						
Thermal	Image Sensor	Vanadium Oxide Uncooled FPA	Vanadium Oxide Uncooled FPA	Vanadium Oxide Uncooled FPA	Vanadium Oxide Uncooled FPA	Vanadium Oxide Uncooled FPA	Vanadium Oxide Uncooled FPA
	Effective Pixels	640 (H) × 512 (V)	400 (H) × 300 (V)	640 (H) × 512 (V)	400 (H) × 300 (V)	400 (H) × 300 (V)	256 (H) × 192 (V)
	Sensitivity	≤35mK	≤35mK	≤35mK	≤35mK	≤35mK	≤40mK
	Lens	5mm/9mm/13mm/ 19mm/25mm/35mm	7.5mm/13mm/ 19mm/25mm/35mm	5mm/7.5mm/9mm/13mm/ 19mm/25mm/35mm	7.5mm/13mm/25mm/35mm	7.5 mm/13 mm/25 mm	2mm
	FOV-H	H: 90.0°/50.0°/32.0°/ 22.9°/17.6°/12.5°	H: 53.7°/30.4°/20.3°/15.5°/11.1°	H: 90°/63.8°/48.6°/37°/22.8°/17.6° /12.5°	H: 53.7°/30.2°/15.5°/11.1°	H: 51.2°/30.4°/15.5°	H: 84.8°
	Temperature Range & Accuracy	Low temperature mode: -20°C ~ +150°C High temperature mode: 0°C ~ +550°C Max (±2°C, ±2%) Operating temperature: -20°C ~ +60°C	Low temperature mode: -20°C ~ +150°C High temperature mode: 0°C ~ +550°C Max (±2°C, ±2%) Operating temperature: -20°C ~ +60°C	Low temperature mode: -20°C ~ +150°C High temperature mode: 0°C ~ +550°C Max (±2°C, ±2%) Operating temperature: -20°C ~ +60°C	Low temperature mode: -20°C ~ +150°C High temperature mode: 0°C ~ +550°C Max (±2°C, ±2%) Operating temperature: -20°C ~ +60°C	Low temperature mode: -20°C ~ +150°C High temperature mode: 0°C ~ +550°C Max (±2°C, ±2%) Operating temperature: -20°C ~ +60°C	Low Temperature: -20°C~+150°C High Temperature: 0°C~+550°C Max (±2°C, ±2%) Operating Temperature: (-20°C~50°C)
	Measurement Rule	Spot: 12 Line: 12 Area: 12 Supports 12 rules simultaneously	Spot: 12 Line: 12 Area: 12 Supports 12 rules simultaneously	Spot: 12 Line: 12 Area: 12 Support 12 rules simultaneously	Spot: 12 Line: 12 Area: 12 Supports 12 rules simultaneously	Spot: 12 Line: 12 Area: 12 Supports 12 rules simultaneously	Spot: 12 Line: 12 Area: 12 Supports 12 rules simultaneously
	Temperature Alarm	Supported	Supported	Supported	Supported	Supported	Supported
Visible	Image Sensor	1/1.8"CMOS	1/1.8"CMOS	--	--	--	1/2.8"CMOS
	Lens	4mm/6mm/12mm/10-30mm	4mm/6mm/12mm/10-30mm	--	--	--	2mm
	FOV-H	H: 87.0°/55.3°/37.3°/15.5°	H: 87.0°/55.3°/37.3°/15.5°	--	--	--	H: 93.4°
	IR Distance	80m (262.47 ft)	80m (262.47 ft)	--	--	--	4m (13.1 ft)
General	Video Compression	H.265/H.264M/H.264H	H.265/H.264M/H.264H	H.265/H.264/MJPEG	H.265/H.264/MJPEG	H.265/H.264M/H.264H	H.265; H.264M; H.264H; MJPEG
	Pan/Tilt Range	--	--	--	--	--	--
	Intelligent Video	Cold/Hot Spot Trace	Cold/Hot Spot Trace	Cold/Hot Spot Trace	Cold/Hot Spot Trace	Cold/Hot Spot Trace	Cold/Hot Spot Trace
	Compatibility	ONVIF (Profile S&G); CGI	ONVIF (Profile S&G); CGI	ONVIF (Profile S&G); CGI	ONVIF (Profile S&G); CGI	ONVIF (Profile S&G); CGI	ONVIF (Profile S&G); CGI
	Ingress Protection	IP67	IP67	IP67	IP67	IP54	IP67
	Working Temperature	-30 °C ~+70 °C	-30 °C ~+70 °C	-40°C~+70°C	-40°C~+70°C	-20 °C~+60 °C	-20°C~+50°C
	Power	DC12V/PoE/ePoE, ≤15W	DC12V/PoE/ePoE, ≤15W	DC12V/PoE/ePoE, <13W	DC12V/PoE/ePoE, <13W	DC12V/PoE, <2W	DC12V/PoE/ePoE, <5W

NETWORK THERMAL CAMERAS

Explosion-proof

	Model	DHI-TPC-AEPT8641-T	DHI-TPC-AEPT8441-T	DHI-TPC-AEBF5641-T	DHI-TPC-AEBF5441-T	DHI-TPC-AEBF5201-T
	Appearance					
Thermal	Image Sensor	Vanadium Oxide Uncooled FPA	Vanadium Oxide Uncooled FPA	Vanadium Oxide Uncooled FPA	Vanadium Oxide Uncooled FPA	Vanadium Oxide Uncooled FPA
	Effective Pixels	640 (H) × 512 (V)	400 (H) × 300 (V)	640 (H) × 512 (V)	400 (H) × 300 (V)	256 (H) × 192 (V)
	Sensitivity	≤40mK	≤40mK	≤40mK	≤40mK	≤40mK
	Lens	9mm/18mm/35mm	9mm/25mm/50mm	9mm/19mm	3.9mm/9mm/13mm/25mm	3.5mm/7mm
	FOV-H	H: 48.3°/24°/12.5°	H: 41°/15.4°/7.8°	H: 43.8°/22.8°	H: 72°/41°/30.4°/15.5°	H: 50.6°/24°
	Temperature Range & Accuracy	Low temperature mode: -20°C~+150°C High temperature mode: 100°C~+550°C Max (±2°C, ±2%) Operating temperature: -20°C~+50°C	Low temperature mode: -20°C~+150°C High temperature mode: 100°C~+550°C Max (±2°C, ±2%) Operating temperature: -20°C~+50°C	Low temperature mode: -20°C~+150°C High temperature mode: 100°C~+550°C Max (±2°C, ±2%) Operating temperature: -20°C~+50°C	Low temperature mode: -20°C~+150°C High temperature mode: 100°C~+550°C Max (±2°C, ±2%) Operating temperature: -20°C~+50°C	Low temperature mode: -20°C~+150°C High temperature mode: 100°C~+550°C Max (±2°C, ±2%) Operating temperature: -20°C~+50°C
	Measurement Rule	Spot: 12 Line: 12 Area: 12 Supports 12 rules simultaneously	Spot: 12 Line: 12 Area: 12 Supports 12 rules simultaneously	Spot: 12 Line: 12 Area: 12 Supports 12 rules simultaneously	Spot: 12 Line: 12 Area: 12 Supports 12 rules simultaneously	Spot: 12 Line: 12 Area: 12 Supports 12 rules simultaneously
	Temperature Alarm	Supported	Supported	Supported	Supported	Supported
Visible	Image Sensor	1/1.8" 4M CMOS	1/1.8" 4M CMOS	1/2.7" 4M CMOS	1/2.7" 4M CMOS	--
	Lens	5.5mm~248mm	5.5mm~248mm	4mm/8mm	2.8mm/4mm/6mm/8mm	--
	FOV-H	H: 61.8°~2.2°	H: 61.8°~2.2°	H: 91.1°/41.3°	H: 80.5°/79.6°/50°/36.3°	--
	IR Distance	150m	150m	30m	30m	--
General	Video Compression	H.265/H.264M/H.264H/MJEPG	H.265/H.264M/H.264H/MJEPG	H.265/H.264M/H.264H/MJEPG	H.265/H.264M/H.264H/MJEPG	H.265/H.264M/H.264H/MJEPG
	Pan/Tilt Range	300 presets, Pan: 0°~360° endless, Tilt:-90°~90°	300 presets, Pan: 0°~360° endless, Tilt:-90°~90°	--	--	--
	Intelligent Video	Cold/Hot Spot Trace	Cold/Hot Spot Trace	Cold/Hot Spot Trace	Cold/Hot Spot Trace	Cold/Hot Spot Trace
	Compatibility	ONVIF (Profile S&G); CGI	ONVIF (Profile S&G); CGI	ONVIF (Profile S&G); CGI	ONVIF (Profile S&G); CGI	ONVIF (Profile S&G); CGI
	Anti-explosion Grade	ATEX: Ex db IIC T6 Gb/ Ex tb IIIC T80°C Db	ATEX: Ex db IIC T6 Gb/ Ex tb IIIC T80°C Db	ATEX: Ex db IIC T6 Gb/ Ex tb IIIC T80°C Db	ATEX: Ex db IIC T6 Gb/ Ex tb IIIC T80°C Db	ATEX: Ex db IIC T6 Gb/ Ex tb IIIC T80°C Db
	Ingress Protection	IP68	IP68	IP68	IP68	IP68
	Working Temperature	-40°C~+70°C	-40°C~+70°C	-40°C~+60°C	-40°C~+60°C	-40°C~+60°C
	Power	AC110~220V, <70W	AC110~220V, <70W	DC12V/PoE/ePoE, <10W	DC12V/PoE/ePoE, <10W	DC12V/PoE, <2W

Thermal Mudule

	Model	TPC-NYX5601	TPC-NYX5401	TPC-NYX2211	TPC-NYX5611-T	TPC-NYX5411-T	TPC-NYX2211-T
	Appearance						
Thermal	Image sensor	Vanadium Oxide Uncooled FPA	Vanadium Oxide Uncooled FPA	Vanadium Oxide Uncooled FPA	Vanadium Oxide Uncooled FPA	Vanadium Oxide Uncooled FPA	Vanadium Oxide Uncooled FPA
	Effective Pixels	640 (H) × 512 (V)	400 (H) × 300 (V)	256 (H) × 192 (V)	640 (H) × 512 (V)	400 (H) × 300 (V)	256 (H) × 192 (V)
	Sensitivity	≤35mK	≤35mK	≤40mK	≤35mK	≤35mK	≤40mK
	Lens	--	--	2mm/3.5mm/7mm/10mm	7mm/13mm/25mm	7mm/13mm/25mm	2mm/3.5mm/7mm/10mm
	FOV-H	--	--	H: 75.0°/54.2°/24.8°/17.5°	H: 75.7°/32.9°/24.5°	H: 51.8°/29.3°/15.5°	H: 75.0°/54.2°/24.8°/17.5°
	Brightness	Supported	Supported	Supported	Supported	Supported	Supported
	Sharpness	Supported	Supported	Supported	Supported	Supported	Supported
	FPNC	Supported	Supported	Supported	Supported	Supported	Supported
	SFFC	Supported	Supported	Supported	Supported	Supported	Supported
	EE	Supported	Supported	Supported	Supported	Supported	Supported
	Temperature Range & Accuracy	--	--	--	Low Temperature:-20°C~+150°C High Temperature: 0°C~+550°C Max (±2°C, ±2%)/ Operating Temperature (-20°C~60°C)	Low Temperature:-20°C~+150°C High Temperature: 0°C~+550°C Max (±2°C, ±2%)/ Operating Temperature (-20°C~60°C)	Low Temperature:-20°C~+150°C High Temperature: 0°C~+550°C Max (±2°C, ±2%)/ Operating Temperature (-20°C~60°C)
	Measurement Rule	--	--	--	Spot: 12 Line: 12 Area: 12 Supports 12 rules simultaneously	Spot: 12 Line: 12 Area: 12 Supports 12 rules simultaneously	Spot: 12 Line: 12 Area: 12 Supports 12 rules simultaneously
	Temperature Alarm	--	--	--	Supported	Supported	Supported
General	Analog Output	CVBS	CVBS	CVBS	CVBS	CVBS	CVBS
	Digital Video Output	BT.601	BT.601	BT.601	BT.656	BT.656	BT.656
	USB	Supported	Supported	Supported	Supported	Supported	Supported
	RS232	Supported	Supported	Supported	Supported	Supported	Supported
	Dimension	44.4mm×44.4mm×41.57mm (L×W×H)	44.4mm×44.4mm×41.57mm (L×W×H)	29mm×26mm (W×H)	44.4mm×44.4mm (W×H)	44.4mm×44.4mm (W×H)	29mm×26mm (W×H)
	Weight	≤100g (exclude lens)	≤100g (exclude lens)	≤41g	≤115g	≤115g	≤41g
	Working Temperature	-40°C ~+70°C	-40°C ~+70°C	-40°C ~+70°C	-40°C ~+70°C	-40°C ~+70°C	-40°C ~+70°C
	Power	DC5V, 1.5W	DC5V, 1.1W	DC5V, 0.5W	DC5V, 1.5W	DC5V, 1.1W	DC5V, 0.5W

INTELLIGENT TRANSPORTATION CAMERAS

Intelligent Transportation Camera

The intelligent transportation camera series is designed for special industries with the highest quality requirements. High-performance AI processor and deep learning algorithms allow the camera to detect and extract detailed information of any types of vehicles, providing reliable data source for business decision making. Its integrated design is suitable for various harsh environments and all-weather conditions.

Enforcement Cameras

With industry-specific image sensor, high-performance AI processor, and deep learning algorithm, the enforcement camera is ideal for intelligent traffic management and safe city businesses, offering intelligent functions including traffic violations capturing in both ANPR and violation snapshots, passing vehicle records, traffic data collection, event detection, etc.

Access ANPR Cameras

Access ANPR cameras are designed for license plate monitoring in low-speed scenarios, such as parking lots and gas stations. It has an allowlist function and can control barrier gates, making it suitable for vehicle entrance & exit management. With embedded ANPR algorithms and true WDR, the Access ANPR camera can accurately detect and recognize vehicle license plates in all kinds of environment.

Parking Spot Detectors

Parking spot detector is suitable for indoor parking areas. The parking detector can provide comprehensive video surveillance in parking lots, accurately monitoring the status of up to 6 parking spaces while recognizing plate numbers of vehicles at the same time. In addition, a 7-color indicator can be used to guide vehicles in finding available parking spaces.

INTELLIGENT TRANSPORTATION CAMERAS

Traffic Enforcement Product

	Traffic Enforcement Product			
Model	ITC431-RW1F-(IR)L	ITC352-AU3F-(IR)LZF1640	ITC952-AU3F-(IR)LZF1640	ITC1652-AU5F-(IR/L)ZF1640
Appearance				
Image Sensor	1/1.8" CMOS	2/3'' GS-CMOS	1.1'' GS-CMOS	1.1'' GS-CMOS
Max. Resolution	4 MP, 2688 (H) × 1520 (V)	3 MP, 2048 (H) × 1536 (V)	9 MP, 4096 (H) × 2336 (V)	16 MP, 5320 (H) × 3032 (V)
Speed Range for LPR	0~180km/h	0~300 km/h	0~300 km/h	0~300km/h
Lincese Plate Recognition	Supported (Global)	Supported (Global)	Supported (Global)	Supported (Global)
Day/Night	ICR	ICR	ICR	ICR
Lens	10-50 mm Motorized / Auto Iris	16-40mm Motorized / Auto Iris	16-40mm Motorized / Auto Iris	16-40mm Motorized / Auto Iris
LPR Monitor Distance	23-30M	23-30M	23-30M	23-30M
WDR	140 dB	90 dB	120 dB	120 dB
Electronic Shutter Speed	1/50~1/100000s	1/50~1/100000s	1/50~1/100000s	1/50~1/100000s
Detection Mode	Supports video detection or radar detection	Supports video detection or radar detection	Supports video detection or radar detection	Supports video detection or radar detection
Video Compression	H.265/H.264M/H.264H/MJPEG	H.265; H.264M; H.264H; MJPEG	H.265/H.264M/H.264H/MJPEG	H.265/H.264M/H.264H/MJPEG
Frame Rate	2688×1520@25fps, 1600×1200@25fps	1536×2048@25fps, 1600×1200@25fps	4096 × 2336@25 fps 1600 × 1200@25 fps	5320×3032@15fps, 1600×1200@15fps
Lamp	White/IR light	White/IR light	White/IR light	White/IR light
Ingress Protection	IP67, IK10	IP66, IK10	IP66, IK10	IP66
Interface	2x RS485, 4x RS232 4/2 Channel Alarm In/Out	2× RS485, 4× RS232 4/2 channel Alarm In/Out	2x RS485, 4x RS232 4/2 Channel Alarm In/Out	2x RS485, 4x RS232 4/2 Channel Alarm In/Out
Memory Slot	Micro SD, Max. 256GB	Micro SD, Max. 512GB	Micro SD, Max. 512GB	Micro SD, Max. 512GB
Working Temperature	-40°C~+65°C (-40°F~+149°F)	-40°C~+65°C (-40°F~+149°F)	-40°C~+65°C (-40°F~+149°F)	-40°C~+65°C (-40°F~+149°F)
Power	DC12~36 V, PoE Max. 13W	AC100~240 V, Max. 20W	AC100~240 V, Max. 60W	AC100~240 V, Max. 20W

Traffic Enforcement Product

		Spotter Series	
Model	ITC952-SU2F-GQE-C2R1-(IR/L/)ZF1640	HWS1800G-CS	HWS1600D
Appearance			
Image Sensor	1'' GS-CMOS	2 × 1" GS-CMOS	1.1'' GS-CMOS
Max. Resolution	9 MP, 4096 (H) × 2336 (V)	9 MP, 4096 (H) × 2160 (V)	16 MP, 5320 (H) × 3032(V)
Velocity Range	5~300km/h	5~300km/h	5~300km/h
Lincese Plate Recognition	Supported (Global)	Supported (Global)	Supported (Global)
Day/Night	ICR	ICR	ICR
Radar Frequency	24.05 to 24.25 GHz	24 GHz–24.25 GHz	24 GHz–24.25 GHz
Lens	16-40mm Motorized / Auto Iris	35mm & 50mm	16-40mm Motorized / Auto Iris (DC)
LPR Monitor Distance	23-30M	25-45M	20-40M
WDR	120dB	90dB	90dB
Electronic Shutter Speed	1/50~1/100000s	1/50~1/100000s	1/50~1/100000s
Detection Mode	Supports video detection or radar detection	Supports video detection or radar detection	Supports video detection or radar detection
Video Compression	H.265/H.264M/H.264H/MJPEG	H.265/H.264M/H.264H/MJPEG	H.265/H.264M/H.264H/H.264B/MJPEG
Frame Rate	4096 ×2336@ 12.5fps, 1600 × 1200@ 12.5 fps	4096×2160@25 fps, 1600×1200@25 fps	5320×3032@25 fps, 1920×1080@25 fps
Lamp	White/IR light	White/IR light	White/IR light
Ingress Protection	IP66	IPX4	--
Image Wireless Transmission	4G	4G	3G/4G, Wi-Fi
Interface	1× 10/100/1000M Ethernet, 1 RS485, 1 RS232 1 Channel Alarm Output 6 Optocoupler Signal Output	1 ×100/1000M Ethernet	1 ×1000M Ethernet, 1 RS485, 1 RS232 1 USB 3.0
Memory Slot	Micro SD, Max. 512GB	1TB SSD	ITB SSD
Working Temperature	-40°C~+65°C (-40°F~+149°F)	-40°C~+65°C (-40°F~+149°F)	-40°C~+65°C (-40°F~+149°F)
Power	36 VDC, Max. 40W	220V, Max. 2000W	24 VDC; power adapter supports 100 VAC to 240 VAC, 50 Hz–60 Hz, Max. 80W

INTELLIGENT TRANSPORTATION CAMERAS

Entrance & Exit Control Product

	Short Focus		Long Focus
Model	ITC413-PW4D-IZ/Z1	ITC416-PL8I-IZ	ITC413-PW4D-IZ/Z3
Appearance			
Bracket	With junction box and bracket	Floor standing installation	With junction box and bracket
Image Sensor	1/1.8'' CMOS	1/1.8'' CMOS	1/1.8'' CMOS
Max. Resolution	4MP (2688×1520)	4MP (2688×1520)	4MP (2688×1520)
Frame Rate	2688×1520@25 fps 2688×1520@30 fps	2688×1520@25 fps 2688×1520@30 fps	2688×1520@25 fps 2688×1520@30 fps
Speed Range for LPR	0~80km/h	0~20km/h	0~120km/h
Lincese Plate Recognition	Supported (Global)	Supported (Global)	Supported (Global)
Day/Night	IR: Auto (ICR)/Color/B/W White:-	IR: Auto (ICR)/Color/B/W White:-	IR: Auto (ICR)/Color/B/W White:-
Lens	2.7mm-12mm Motorized / Auto Iris (DC)	2.7mm-12mm Motorized / Auto Iris (DC)	8mm-32mm Motorized / Auto Iris (DC)
FOV	H: 92° (W)—46.1° (T) V: 49° (W)—26.0° (T) D: 109° (W)—52.8° (T)	H: 115° (W)-47° (T); V: 62° (W)-27° (T); D: 137° (W)-54° (T)	H: 39.9° (W)—15.1° (T) V: 21.8° (W)—8.5° (T) D: 46.6° (W)—17.4° (T)
Min. Illumination	0.001 Lux (Color, 30 IRE) 0.0002 Lux (B/W, 30 IRE) 0 Lux (Illuminator on)	0.001 Lux (Color, 30 IRE) 0.0002 Lux (B/W, 30 IRE) 0 Lux (Illuminator on)	0.001 Lux (Color, 30 IRE) 0.0002 Lux (B/W, 30 IRE) 0 Lux (Illuminator on)
WDR	140 dB	140 dB	140 dB
Illumination Distance	ANPR: 10 m (32.81 ft) Video monitoring: 30 m (98.43 ft)	ANPR: 10 m (32.81 ft) Video monitoring: 20 m (65.62 ft)	ANPR: 20 m (65.62 ft) Video monitoring: 60 m (196.85 ft)
Capture Distance	3 m–8 m (9.84 ft–26.25 ft)	2.5 m–6 m (8.20 ft–19.69 ft)	8 m–20 m (26.25 ft–65.62 ft)
Detected Width	3 m –4 m (9.84 ft–13.12 ft)	3 m –4 m (9.84 ft–13.12 ft)	6 m–8 m (19.69 ft–26.25 ft)
Detection Mode	Video trigger	Video trigger	Video trigger
Electronic Shutter Speed	1/25s~1/100,000s	1/25s~1/10,000s	1/25s~1/100,000s
Video Compression	H.264H; H.264B; H.264M; H.265; MJPEG;	H.264H; H.264B; H.264M by default; H.265; MJPEG; H.264M	H.264H; H.264B; H.264M; H.265; MJPEG
Lamp	Built-in IR/White light	Built-in IR	Built-in IR/White light
Ingress Protection	IP67, IK10	IP54	IP67, IK10
Interface	1 ×10/100/1000M Ethernet, 2 RS485, 2/2 channel Alarm In/Out, 1 channel Wiegand	10/100/1000 M Ethernet, 1 RS485 2/2 channel Alarm In/Out, 1 channel Wiegand	1 ×10/100/1000M Ethernet, 2 RS485, 2/2 channel Alarm In/Out, 1× Wiegand
Working Temperature	-40°C~+70°C (-40°F~+158°F)	–30 °C ~ +65 °C (–22 °F ~ +149 °F)	-40°C~+70°C (-40°F~+158°F)
Memory Slot	1 built-in TF card slot, Max.256G	1 built-in TF card slot, Max.256G	1 built-in TF card slot, Max.256G
Compatibility	ONVIF (Profile S/Profile G/Profile T); CGI; ITSAPI	ONVIF (Profile S/Profile G/Profile T); CGI; ITSAPI; P2P	ONVIF (Profile S/Profile G/Profile T); CGI; ITSAPI
Power	12 VDC, 2 A and POE+ (802.3at), Type 2, Class 4, (44V to 57V), 0.455A to 0.351A, Max. 20W	12 VDC, 3 A	12 VDC, 2 A and PoE+ (802.3at), Type 2, Class 4, (44V to 57V), 0.455A to 0.351A, Max. 20W

Parking system

Indoor Guidance Camera (PON)

Model	ITC214-PH5B-F3	ITC214-PH5B-F6	ITC414-PH5B-F2	ITC414-PH5B-F3	ITC414-PH5B-TF2	ITC414-PH5B-TF3
Appearance						
Image Sensor	1/2.8'' 2MP CMOS	1/2.8'' 2MP CMOS	1/3'' 4MP CMOS	1/3'' 4MP CMOS	Two 1/3'' 4MP CMOS	Two 1/3'' 4MP CMOS
Focal Length	3.6mm	6mm	2.8mm	3.6mm	2.8mm	3.6mm
Max. Resolution	2MP (1920 × 1080)	2MP (1920 × 1080)	4MP (2688 × 1520)	4MP (2688 × 1520)	4MP (2688 × 1520)	4MP (2688 × 1520)
Frame Rate	1920×1080@25fps 1920×1080@30fps	1920×1080@25fps 1920×1080@30fps	2688×1520@20fps 2688×1520@20fps	2688×1520@20fps 2688×1520@20fps	2688×1520@20fps 2688×1520@20fps	2688×1520@20fps 2688×1520@20fps
WDR	100db	100db	100db	100db	100db	100db
Lincese Plate Recognition	Supported (Global)	Supported (Global)	Supported (Global)	Supported (Global)	Supported (Global)	Supported (Global)
Video Compression	H.264, H.265, MJPEG	H.264, H.265, MJPEG	H.264, H.265, MJPEG	H.264, H.265, MJPEG	H.264, H.265, MJPEG	H.264, H.265, MJPEG
Detection Mode	Video detection	Video detection	Video detection	Video detection	Video detection	Video detection
Voice Function	Supports Voice Broadcast	Supports Voice Broadcast	Supports Voice Broadcast	Supports Voice Broadcast	Supports Voice Broadcast	Supports Voice Broadcast
Interface	2× 100M Ethernet (RJ-45), 1 RS485	2× 100M Ethernet (RJ-45), 1 RS485	2× 100M Ethernet (RJ-45), 1 RS485	2× 100M Ethernet (RJ-45), 1 RS485	2× 100M Ethernet (RJ-45), 1 RS485	2× 100M Ethernet (RJ-45), 1 RS485
Ingress Protection	IP54	IP54	IP54	IP54	IP54	IP54
Indicator Light	7 colors	7 colors	7 colors	7 colors	7 colors	7 colors
Parking Violation detection	Supports cross-line parking detection, unauthorized vehicle occupancy detection, and small car occupying large parking space detection	Supports cross-line parking detection, unauthorized vehicle occupancy detection, and small car occupying large parking space detection	Supports cross-line parking detection, unauthorized vehicle occupancy detection, and small car occupying large parking space detection	Supports cross-line parking detection, unauthorized vehicle occupancy detection, and small car occupying large parking space detection	Supports cross-line parking detection, unauthorized vehicle occupancy detection, and small car occupying large parking space detection	Supports cross-line parking detection, unauthorized vehicle occupancy detection, and small car occupying large parking space detection
Electronic Shutter Speed	Auto/manual, 1/3~1/10000s	Auto/manual, 1/3~1/10000s	Auto/manual, 1/3~1/10000s	Auto/manual, 1/3~1/10000s	Auto/manual, 1/3~1/10000s	Auto/manual, 1/3~1/10000s
Monitor Range	2	2	3	3	6	6
Working Temperature	-20° C~+50° C (-4 °F~+122 °F)	-20° C~+50° C (-4 °F~+122 °F)	-20° C~+50° C (-4 °F~+122 °F)	-20° C~+50° C (-4 °F~+122 °F)	-20° C~+50° C (-4 °F~+122 °F)	-20° C~+50° C (-4 °F~+122 °F)
Power	DC 12-48V	DC 12-48V	DC 12-48V	DC 12-48V	DC 12-48V	DC 12-48V

INTELLIGENT TRANSPORTATION CAMERAS

Parking Spot Detectors

	Indoor Guidance Camera (PoE)					
Model	ITC214-PH5B-F3-POE	ITC214-PH5B-F6-POE	ITC414-PH5B-F2-POE	ITC414-PH5B-F3-POE	ITC414-PH5B-TF2-POE	ITC414-PH5B-TF3-POE
Appearance						
Image Sensor	1/2.8'' 2MP CMOS	1/2.8'' 2MP CMOS	1/3'' 4MP CMOS	1/3'' 4MP CMOS	Two 1/3'' 4MP CMOS	Two 1/3'' 4MP CMOS
Focal Length	3.6mm	6mm	2.8mm	3.6mm	2.8mm	3.6mm
Max. Resolution	2MP (1920 × 1080)	2MP (1920 × 1080)	4MP (2688 × 1520)	4MP (2688 × 1520)	4MP (2688 × 1520)	4MP (2688 × 1520)
Frame Rate	1920×1080@25fps 1920×1080@30fps	1920×1080@25fps 1920×1080@30fps	2688×1520@20fps 2688×1520@20fps	2688×1520@20fps 2688×1520@20fps	2688×1520@20fps 2688×1520@20fps	2688×1520@20fps 2688×1520@20fps
WDR	100db	100db	100db	100db	100db	100db
Lincese Plate Recognition	Supported (Global)	Supported (Global)	Supported (Global)	Supported (Global)	Supported (Global)	Supported (Global)
Video Compression	H.264, H.265, MJPEG	H.264, H.265, MJPEG	H.264, H.265, MJPEG	H.264, H.265, MJPEG	H.264, H.265, MJPEG	H.264, H.265, MJPEG
Detection Mode	Video detection	Video detection	Video detection	Video detection	Video detection	Video detection
Voice Function	Supports Voice Broadcast	Supports Voice Broadcast	Supports Voice Broadcast	Supports Voice Broadcast	Supports Voice Broadcast	Supports Voice Broadcast
Interface	1×100M Ethernet (RJ-45), 1 RS485	1×100M Ethernet (RJ-45), 1 RS485	1×100M Ethernet (RJ-45), 1 RS485	1×100M Ethernet (RJ-45), 1 RS485	1×100M Ethernet (RJ-45), 1 RS485	1×100M Ethernet (RJ-45), 1 RS485
Ingress Protection	IP54	IP54	IP54	IP54	IP54	IP54
Indicator Light	7 colors	7 colors	7 colors	7 colors	7 colors	7 colors
Parking Violation detection	Supports cross-line parking detection, unauthorized vehicle occupancy detection, and small car occupying large parking space detection	Supports cross-line parking detection, unauthorized vehicle occupancy detection, and small car occupying large parking space detection	Supports cross-line parking detection, unauthorized vehicle occupancy detection, and small car occupying large parking space detection	Supports cross-line parking detection, unauthorized vehicle occupancy detection, and small car occupying large parking space detection	Supports cross-line parking detection, unauthorized vehicle occupancy detection, and small car occupying large parking space detection	Supports cross-line parking detection, unauthorized vehicle occupancy detection, and small car occupying large parking space detection
Electronic Shutter Speed	Auto/manual, 1/3~1/10000s	Auto/manual, 1/3~1/10000s	Auto/manual, 1/3~1/10000s	Auto/manual, 1/3~1/10000s	Auto/manual, 1/3~1/10000s	Auto/manual, 1/3~1/10000s
Monitor Range	2	2	3	3	6	6
Working Temperature	-20° C~+50° C (-4 °F~+122 °F)	-20° C~+50° C (-4 °F~+122 °F)	-20° C~+50° C (-4 °F~+122 °F)	-20° C~+50° C (-4 °F~+122 °F)	-20° C~+50° C (-4 °F~+122 °F)	-20° C~+50° C (-4 °F~+122 °F)
Power	PoE; DC12V	PoE; DC12V	PoE; DC12V	PoE; DC12V	PoE; DC12V	PoE; DC12V

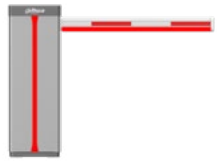
ITC4

Outdoor Guidance Camera

Model	ITC439-PW1H-Z	ITC439-PW1H-Z1050
Appearance		
Image Sensor	1/1.8'' CMOS	1/1.8'' CMOS
Max. Resolution	4MP (2688 × 1520)	4MP (2688 × 1520)
Frame Rate	2688 × 1520@25 fps 2688 × 1520@30 fps	2688 × 1520@25 fps 2688 × 1520@30 fps
WDR	96 db	96 db
Electronic Shutter Speed	1/25~1/10000s	1/25~1/10000s
Lens	4.38mm-9.33mm	11mm-46.5mm
FOV	H: 114.6° (W)–48.3° (T) V: 59.0° (W)–27.1° (T) D: 141.6° (W)–55.5° (T)	H: 40.55° (W)–9.33° (T) V: 22.7° (W)–5.3° (T) D: 46.6° (W)–10.63° (T)
Min. Illumination	0.002 lx (built-in illuminator on)	0.002 lx (built-in illuminator on)
Detection Mode	Video trigger	Video trigger
Video Compression	H.264M/H.264H/H.265/MJPEG	H.264M/H.264H/H.265/MJPEG
Lamp	Built-in white light	Built-in white light
Ingress Protection	IP67	IP67
Interface	1×100/1000M Ethernet, 2 RS485, 3/3 channel Alarm In/Out	1×100/1000M Ethernet, 2 RS485, 3/3 channel Alarm In/Out
Working Temperature	-30°C~+65°C (-22°F~+149°F)	-30°C~+65°C (-22°F~+149°F)
Memory Slot	1 built-in TF card slot, Max. 128G	1 built-in TF card slot, Max. 128G
Power	AC 24V, DC12V, PoE+ (802.3at)	AC 24V, DC12V, PoE+ (802.3at)
Event	Violation Detection, Residual Detection	Violation Detection, Residual Detection
Remaining Stats	Max. 50 spaces	Max. 50 spaces
Statistics Mode	Area monitoring, and parking space monitoring mode	Area monitoring, and parking space monitoring mode
Parking Space Attribute	Configure the attributes of large and small spaces	Configure the attributes of large and small spaces

INTELLIGENT TRANSPORTATION CAMERAS

Barrier

	Barrier		
Model	DHI-IPMECD-105X	DHI-IPMECD-203X	DHI-IPMECD-302X
Appearance			
Arm Type	Straight arm; Telescopic arm; Folding arm; Fence arm	Straight arm; Folding arm	Straight arm, Folding arm
Arm Length	Straight arm: 3 m (9.84 ft) Telescopic arm: 3 m–4 m (9.84 ft–13.12 ft); 4 m–5 m (13.12 ft–16.40 ft); 5 m–6 m (16.40 ft–19.69 ft) Folding arm: 3 m (1.5+1.5)(9.84 ft); 4 m (1.5+2.5)(13.12 ft); 5 m (2.5+2.5)(16.40 ft) Fence arm: 3 m (9.84 ft); 3.5 m (11.48 ft); 4 m (13.12 ft); 4.5 m (14.76 ft)	Straight arm: 1.5 m (4.92 ft), 3 m (9.84 ft), 3.5 m (11.48 ft), 4 m (13.12 ft), 4.5 m (14.76 ft), 5 m (16.40 ft), 5.5 m (18.04 ft), 6 m (19.69 ft) Folding arm:3 m (9.84 ft), each of the two sections of the arm is 1.5 m (4.92 ft) 4 m (13.12 ft), each of the two sections of the arm is 2 m (6.56 ft) 5 m (16.40 ft), each of the two sections of the arm is 2.5 m (8.20 ft)	Straight arm: 3 m (9.84 ft); 4 m (13.12 ft); 5 m (16.40 ft); 6 m (19.68 ft) Folding arm: 3 m (9.84 ft); 4 m (13.12 ft)
Opening/Closing Time	Straight arm: 3 m (9.84 ft): 1.5S Telescopic arm: 3 m–4 m (9.84 ft–13.12 ft):2.8S; 4 m–5 m (13.12 ft–16.40 ft):4.8S; 5 m–6 m (16.40 ft–19.69 ft):5.5S Folding arm: 3 m (1.5+1.5)(9.84 ft):2.8S; 4 m(1.5+2.5)(13.12 ft):3S; 5 m (2.5+2.5)(16.40 ft):5S Fence arm: 3 m (9.84 ft):3.5S; 3.5 m (11.48 ft):4.2S; 4 m (13.12 ft):5.5S; 4.5 m (14.76 ft):6S	Straight arm:Barrier with 1.5 m (4.92 ft) or 3 m (9.84 ft) arm: 1 s Barrier with 3.5 m (11.48 ft) arm: 2 s Barrier with 4 m (13.12 ft) arm: 2 s Barrier with 4.5 m (14.76 ft) arm: 4.5 s Barrier with 5 m (16.40 ft) arm: 3 s Barrier with 5.5 m (18.04 ft) arm: 3.5 s Barrier with 6 m (19.69 ft) arm: 4 s Folding arm:Barrier with 3 m (9.84 ft) arm: 2 s Barrier with 4 m (13.12 ft) arm: 2 s Barrier with 5 m (16.40 ft) arm: 3 s	Straight arm: 3 m (9.84 ft): 0.9 s; 4 m (13.12 ft): 2 s; 5 m (16.40 ft): 3 s; 6 m (19.68 ft): 3 s Folding arm: 3 m (9.84 ft): 0.9 s; 4 m (13.12 ft): 2 s
Motor Type	DC brushless	DC brushless	AC variable
Anti-smashing	Realized by connected radar, coil, or IR sensor	Realized by connected radar, coil, or IR sensor	Realized by connected radar, coil, or IR sensor
Power Supply	220 VAC ± 10%/110 VAC ± 10% 220 VAC ± 10%/110 VAC ± 10% (can be changed with the DIP switch)	AC86–264V	220 VAC ± 10%, 110 VAC ± 10%
Power Consumption	<200 W	≤72 W	<200 W
Spring Lifespan	800,000 times	1.5 million times	5 million times
Motor Lifespan	3 million times	5 million times	5 million times
Operating Temperature	–35 °C to +65 °C (–31 °F to +149 °F)	–40°C to +70°C (–40°F to +158°F)	–40 °C to +70 °C (–40 °F to +158 °F)
Operating Humidity	10%–90% (no condensation)	10%–90% (no condensation)	10%–90% (no condensation)
Protection	IP54	IP54	IP55

LED Screen

	LED Screen	
Model	LED Screen	LED Screen
Appearance		
LED Dimensions	488 mm × 244 mm (17.64" × 9.61") (L × W) 976 mm × 244 mm (38.43" × 9.61") (L × W) 1464 mm × 244 mm (57.64" × 9.61") (L × W)	320 mm × 160 mm (12.60" × 6.30") (L × W) 320 mm × 320 mm (12.60" × 12.60") (L × W) 320 mm × 480 mm (12.60" × 18.90") (L × W)
Display Content	English letters, Chinese characters, numbers and arrows	Chinese characters, letters, numbers, arrows, the handicap parking sign, and more
Pixels Configuration	1R1PG	1R1PG
Resolution	2,048 dots (64 × 32, 4 English letters per line), dot splicing: 7.62 mm (0.3") 4,096 dots (128 × 32, 8 English letters per line), dot splicing: 7.62 mm (0.3") 6,144 dots (192 × 32, 12 English letters per line), dot splicing: 7.62 mm (0.3")	512 dots (32 × 16); 1 line; pixel pitch: 10 mm (0.39") 1024 dots (32 × 32); 2 line; pixel pitch: 10 mm (0.39") 1536 dots (32 × 48); 3 lines; pixel pitch: 10 mm (0.39")
Service Life	100,000 h	100,000 hours
Screen Brightness	1000 cd/m^2	6000 cd/m^2
Network Port	1× 100 Mbps RJ-45 Ethernet port	1 × 100 Mbps Ethernet port (RJ-45)
Power Supply	100–240 VAC	100 V–240 VAC
Power Consumption	<50 W	30 W, 60W, 90W
Operating Temperature	–30 °C to +55 °C (–22 °F to +131 °F)	–30 °C to +70 °C (–22 °F to +158 °F)
Operating Humidity	10%–90% (non-condensing)	10%–90% (non-condensing)
IP Rating	IP50	IP54
Product Dimensions	757 mm × 65 mm × 277 mm (29.80" × 2.56" × 10.91") (L × W × H) 1,245 mm × 65 mm × 277 mm (49.02" × 2.56" × 10.91") (L × W × H) 1,733 mm × 65 mm × 277 mm (68.23" × 2.56" × 10.91") (L × W × H)	362 mm × 110 mm × 202 mm (14.25" × 4.33" × 7.95") (L × W × H) 362 mm × 110 mm × 362 mm (14.25" × 4.33" × 14.25") (L × W × H) 362 mm × 110 mm × 522 mm (14.25" × 4.33" × 20.55") (L × W × H)

TRANSMISSION

Transmission

Dahua has a complete product lineup and mature network solution design capabilities in networking. From wired to wireless, it can provide different products and solutions for various applications such as safe cities, enterprises, parks, streets, shops, etc. These solutions have been commercially applied in more than 100 countries and regions around the world.

Wide Working Temperature Design

The Dahua industrial PoE switch can function normally in a wide range of extreme temperatures from-40 °C to 75°C.

High Speed and Bandwidth

Dahua aggregation and core switches offer high bandwidth and are available in a wide range of port configurations including 1G, 10G, 40G and 100G

High Availability

Dual power redundancy, ring network and three-plane security assurance mechanisms IRF2 guarantee the reliability of the network.

Unified Management

Dahua DSS Pro network management platform greatly simplifies network operation and maintenance in CCTV network.

TRANSMISSION

PoE Switches

	Haranded PoE Switch			
Model	HS4408-4ET-60	HS4408-4ET-96	HS4412-8ET-96	HS4412-8ET-120
Appearance	PoE2.0	PoE2.0	PoE2.0	PoE2.0
Fast/Gigabit Ethernet	4FE PoE	4FE PoE	8FE PoE	8FE PoE
SFP Slots	4GE SFP	4GE SFP	4GE SFP	4GE SFP
PoE Standard	PoE (802.3af), PoE+ (802.3at),Hi-PoE,	IEEE802.3af; IEEE802.3at; Hi-PoE; IEEE802.3bt	IEEE802.3af; IEEE802.3at; Hi-PoE; IEEE802.3bt	IEEE802.3af; IEEE802.3at; Hi-PoE; IEEE802.3bt
PoE Budget	60W	96W	96W	120W
PoE Watchdog	Supported	Supported	Supported	Supported
Long Distance PoE Transmission	Yes (250 meters)	Yes (250 meters)	Yes (250 meters)	Yes (250 meters)
Intelligent PoE Management	Supported	Supported	Supported	Supported
Switching Capacity	8.8 Gbps	8.8 Gbps	9.6 Gbps	9.6 Gbps
Packet Forwarding Rate	6.55 Mpps	6.55 Mpps	7.14 Mpps	7.14 Mpps
Packet Buffer Memory	4.1 Mbit	4.1 Mbit	4.1 Mbit	4.1 Mbit
MAC Table Size	8K	8K	8K	8K
VLAN	Supported	Supported	Supported	Supported
Link Aggregation	Supported	Supported	Supported	Supported
Flow Control	Supported	Supported	Supported	Supported
Spanning Tree	Supported	Supported	Supported	Supported
Management	Web, SNMP,CII DoLynk Care	Web, SNMP,CII DoLynk Care	Web, SNMP,CII DoLynk Care	Web, SNMP,CII DoLynk Care
Lightning Protection	Common mode: 4 kV Differential mode: 2 kV	Common mode: 4 kV Differential mode: 2 kV	Common mode: 4 kV Differential mode: 2 kV	Common mode: 4 kV Differential mode: 2 kV
Working Temperature	–30°C~+65°C (+22°F~+149°F)	–30°C~+65°C (+22°F~+149°F)	–30°C~+65°C (+22°F~+149°F)	–30°C~+65°C (+22°F~+149°F)
Dimensions (W×D×H)	152.9mm×110.4mm×42.0mm (6.02"×4.35"×1.65") (L×W×H)	152.9mm×110.4mm×42.0mm (6.02"×4.35"×1.65") (L×W×H)	152.9mm×110.4mm×42.0mm (6.02"×4.35"×1.65") (L×W×H)	152.9mm×110.4mm×42.0mm (6.02"×4.35"×1.65") (L×W×H)

PoE Switches

	Industrial PoE Switch				
Model	IS4204-2GT-120	IS4207-4GT-120	IS4410-6GT-120	IS4210-8GT-120	IS4420-16GT-240
Appearance					
Fast/Gigabit Ethernet	2GE PoE	4GE PoE+1GE	6GE PoE	8GE PoE	16GE PoE
SFP Slots	2GE SFP	2GE SFP	4 GE SFP	2GE SFP	4GE SFP
PoE Standard	PoE (802.3af), PoE+ (802.3at), Hi-PoE, PoE++(802.3bt)	PoE (802.3af), PoE+ (802.3at), Hi-PoE, PoE++(802.3bt)	PoE (802.3af), PoE+ (802.3at), Hi-PoE, PoE++(802.3bt)	PoE (802.3af), PoE+ (802.3at), Hi-PoE, PoE++(802.3bt)	PoE (802.3af), PoE+ (802.3at), Hi-PoE, PoE++(802.3bt)
PoE Budget	120W	120W	120W	120W	240W
PoE Watchdog	Supported	Supported	Supported	Supported	Supported
Long Distance PoE Transmission	Yes (250 meters)	Yes (250 meters)	Yes (250 meters)	Yes (250 meters)	Yes (250 meters)
Intelligent PoE Management	Supported	Supported	Supported	Supported	Supported
Switching Capacity	14Gbps	14Gbps	56Gbps	14Gbps	56Gbps
Packet Forwarding Rate	5.95Mpps	10.42Mpps	14.88Mpps	14.88Mpps	29.76Mpps
Packet Buffer Memory	4.1Mb	4.1Mb	4Mb	4Mb	4.1Mb
MAC Table Size	8K	8K	8K	8K	8K
VLAN	Supported	Supported	Supported	Supported	Supported
Link Aggregation	Supported	Supported	Supported	Supported	Supported
Flow Control	Supported	Supported	Supported	Supported	Supported
Spanning Tree	Supported	Supported	Supported	Supported	Supported
Management	Web, SNMP, CLI	Web, SNMP, CLI	Web, SNMP, CLI	Web, SNMP, CLI	Web, SNMP, CLI
Lightning Protection	Common mode: 6KV Differential mode: 4KV	Common mode: 6KV Differential mode: 4KV	Common mode: 6KV Differential mode: 4KV	Common mode: 6KV Differential mode: 4KV	Common mode: 6KV Differential mode: 4KV
Working Temperature	-40 °C~+75 °C (-40 °F~+167 °F)	-40 °C~+75 °C (-40 °F~+167 °F)	-40 °C~+75 °C (-40 °F~+167 °F)	-40 °C~+75 °C (-40 °F~+167 °F)	-40 °C~+75 °C (-40 °F~+167 °F)
Dimensions (W×D×H)	94.4mm×53.5mm ×135mm (3.72"×2.11"×5.31")	94.4mm×53.5mm×135mm (3.72"×2.11"×5.31")	125mm×53.5mm×175.0mm (4.9"×2.1"×6.9")	125mm×53.5mm×175.0mm (4.9"×2.1"×6.9")	125.4 mm×75.0 mm×175.0 mm (4.9"×3.0"×6.9 ")

TRANSMISSION

PoE Switches

	ePoE Switch			Cloud Managed PoE Switch		
Model	LR2110-8ET-120	LR2218-16ET-240	LR2226-24ET-360	DH-CS4006-4GT-60	DH-CS4010-8GT-110	DH-CS4220-16GT-135
Appearance						
Fast/Gigabit Ethernet	8FE PoE+1GE	16FE PoE+2GE (Combo)	24FE PoE+2GE (Combo)	4GE PoE+2 GE	8GE PoE+2 GE	16GE PoE+2 GE
SFP Slots	1GE SFP	2GE SFP (Combo)	2GE SFP (Combo)	--	--	2GE SFP
PoE Standard	PoE (802.3af),PoE+ (802.4at), Hi-PoE, PoE++(802.3bt)	PoE (802.3af), PoE+ (802.5at), Hi-PoE	PoE (802.3af), PoE+ (802.6at), Hi-PoE	PoE (802.3af), PoE+ (802.3at),Hi-PoE	IEEE802.3af; IEEE802.3at; Hi-PoE; IEEE802.3bt	IEEE802.3af; IEEE802.3at; Hi-PoE; IEEE802.3bt
PoE Budget	120W	240W	360W	60W	110W	135W
PoE Watchdog	--	Supported	Supported	Supported	Supported	Supported
Long Distance PoE Transmission	Yes (800 meters)	Yes (800 meters)	Yes (800 meters)	Yes (250 meters)	Yes (250 meters)	Yes (250 meters)
Intelligent PoE Management	Supported	Supported	Supported	Supported	Supported	Supported
Switching Capacity	8.8Gbps	8.8Gbps	8.8Gbps	12 Gbps	20 Gbps	40 Gbps
Packet Forwarding Rate	5.36Mpps	5.36Mpps	6.55Mpps	8.93 Mpps	14.88 Mpps	29.76 Mpps
Packet Buffer Memory	2.75Mb	2.75Mb	2.75Mb	4 Mbit	4 Mbit	4 Mbit
MAC Table Size	8K	4K	4K	8K	8K	8K
VLAN	--	Supported	Supported	Supported	Supported	Supported
Link Aggregation	--	Supported	Supported	Supported	Supported	Supported
Flow Control	Supported	Supported	Supported	Supported	Supported	Supported
Spanning Tree	--	Supported	Supported	Supported	Supported	Supported
Management	--	Web, SNMP	Web, SNMP	Dolynk Care/web	Dolynk Care/web	Dolynk Care/web
Lightning Protection	Common Mode 4KV Differential Mode 2KV	Common Mode 4KV Differential Mode 2KV	Common Mode 4KV Differential Mode 2KV	Common mode: 4 kV Differential mode: 2 kV	Common mode: 4 kV Differential mode: 2 kV	Common mode: 4 kV Differential mode: 2 kV
Working Temperature	-30°C ~+65°C (-22°F~+149°F)	-10°C ~+55°C (14°F~+131°F)	-10°C ~+55°C (14°F~+131°F)	–10°C~+55°C (+14°F~+131°F)	–10°C~+55°C (+14°F~+131°F)	–10°C~+55°C (+14°F~+131°F)
Dimensions (W×D×H)	150mm×100mm×42mm (5.9"×3.9"×1.7")	440mm×300mm×44mm (17.3"×11.8"×1.7")	440mm×300mm×44mm (17.3"×11.8"×1.7")	130mm×90mm×26mm (5.11"×3.54"×1.02") (L× W×H)	190mm×106mm×30 mm (7.48"×4.17"×1.18") (L× W×H)	440mm×220mm×44mm (17.32"×8.66"×1.73") (L× W×H)

ePoE • Extended PoE transmission: 800m, 10Mbps, 13w or 300m, 100Mbps, 25.4w

PoE Switches

	Cloud Managed PoE Switch			All-Gigabit PoE Switch (L2 Managed)		
Model	CS4220-16GT-240	CS4228-24GT-240	CS4228-24GT-375	PFS4210-8GT-150	S4210-8GT-110	PFS4420-16GT-240
Appearance						
Fast/Gigabit Ethernet	16GE PoE+2 GE	24GE PoE+2 GE	24GE PoE+2 GE	8GE PoE	8GE PoE	16GE PoE
SFP Slots	2GE SFP	2GE SFP	2GE SFP	2GE SFP	2GE SFP	4GE SFP
PoE Standard	IEEE802.3af; IEEE802.3at; Hi-PoE; IEEE802.3bt	IEEE802.3af; IEEE802.3at; Hi-PoE; IEEE802.3bt	IEEE802.3af; IEEE802.3at; Hi-PoE; IEEE802.3bt	PoE (802.3af), PoE+ (802.3at)	PoE (802.3af), PoE+ (802.3at), Hi-PoE, PoE++ (802.3bt)	PoE (802.3af), PoE+ (802.3at)
PoE Budget	240W	240W	375W	150W	110W	240W
PoE Watchdog	Supported	Supported	Supported	--	Supported	--
Long Distance PoE Transmission	Yes (250 meters)	Yes (250 meters)	Yes (250 meters)	--	Supported	--
Intelligent PoE Management	Supported	Supported	Supported	--	Supported	--
Switching Capacity	40 Gbps	56 Gbps	56 Gbps	20Gbps	20Gbps	40Gbps
Packet Forwarding Rate	29.76 Mpps	41.66 Mpps	41.66 Mpps	14.88Mpps	14.88Mpps	29.76Mpps
Packet Buffer Memory	4 Mbit	4 Mbit	4 Mbit	4Mb	4.1 Mb	4.1Mb
MAC Table Size	8K	8K	8K	8K	8K	8K
VLAN	Supported	Supported	Supported	Supported	Supported	Supported
Link Aggregation	Supported	Supported	Supported	Supported	Supported	Supported
Flow Control	Supported	Supported	Supported	Supported	Supported	Supported
Spanning Tree	Supported	Supported	Supported	Supported	Supported	Supported
Management	Dolynk Care/web	Dolynk Care/web	Dolynk Care/web	Web, SNMP	Web, SNMP	Web, SNMP
Lightning Protection	Common mode: 4 kV Differential mode: 2 kV	Common mode: 4 kV Differential mode: 2 kV	Common mode: 4 kV Differential mode: 2 kV	Common Mode 2KV Differential Mode 1KV	Common Mode 4KV Differential Mode 2KV	Common Mode 2KV
Working Temperature	–10°C~+55°C (+14°F~+131°F)	–10°C~+55°C (+14°F~+131°F)	–10°C~+55°C (+14°F~+131°F)	0°C~+45°C (32°F~+113°F)	-10°C ~ +55°C (14°F~+131°F)	0°C~+45°C (32°F~+113°F)
Dimensions (W×D×H)	440mm×220mm×44 mm (17.32"×8.66"×1.73") (L×W×H)	440mm×220mm×44mm (17.32"×8.66"×1.73") (L×W×H)	440mm×220mm×44mm (17.32"×8.66"×1.73") (L×W×H)	340mm×200mm×44mm (13.4”×7.9”×1.7”)	240mm×28mm×103mm (9.4”×1.1”×4.0”)	440mm×330mm×44mm (17.3"×13.0"×1.7")

TRANSMISSION

PoE Switches

	All-Gigabit PoE Switch (L2 Managed)			All-Gigabit PoE Switch (L3 Managed)	
Model	S4220-16GT-190/240	S4228-24GT-240/360	PFS4428-24GT-370	AS5500-24GT4XF-370	AS5500-48GT4XF-600
Appearance	PoE2.0	PoE2.0			
Fast/Gigabit Ethernet	16GE PoE+2GE	24GE PoE+2GE	24GE PoE	24GE PoE	48GE PoE
SFP Slots	2GE SFP	2GE SFP	4GE SFP	4×10G SFP+	4×10G SFP+
PoE Standard	PoE (802.3af), PoE+ (802.3at), Hi-PoE, PoE++ (802.3bt)	PoE (802.3af), PoE+ (802.3at), Hi-PoE, PoE++ (802.3bt)	PoE (802.3af), PoE+ (802.3at)	PoE (802.3af), PoE+ (802.3at)	PoE (802.3af), PoE+ (802.3at)
PoE Budget	190W/240W	240W/360W	370W	370W	600W
PoE Watchdog	Supported	Supported	--	--	--
Long Distance PoE Transmission	Supported	Supported	--	--	--
Intelligent PoE Management	Supported	Supported	--	--	--
Switching Capacity	56Gbps	56Gbps	56Gbps	128Gbps	176Gbps
Packet Forwarding Rate	29.76Mpps	41.66Mpps	41.66Mpps	95Mpps	131Mpps
Packet Buffer Memory	4.1 Mb	4.1Mb	4.1Mb	12Mb	24Mb
MAC Table Size	8K	8K	8K	16K	16K
VLAN	Supported	Supported	Supported	Supported	Supported
Link Aggregation	Supported	Supported	Supported	Supported	Supported
Flow Control	Supported	Supported	Supported	Supported	Supported
Spanning Tree	Supported	Supported	Supported	Supported	Supported
Management	Web, SNMP	Web, SNMP	Web, SNMP	Web, CLI, SNMP	Web, CLI, SNMP
Lightning Protection	Common Mode 4KV Differential Mode 2KV	Common Mode 4KV Differential Mode 2KV	Common Mode 2KV	Common Mode 1KV Differential Mode 0.5KV	Common Mode 1KV Differential Mode 0.5KV
Working Temperature	-10°C~+55°C (14°F~+131°F)	-10°C~+55°C (14°F~+131°F)	0°C~+45°C (32°F~+113°F)	-5°C~+45°C (23 °F to +113 °F)	-5°C~+45°C (23 °F to +113 °F)
Dimensions (W×D×H)	440mm×300mm×44mm (17.3"×11.8"×1.7")	440mm×300mm×44mm (17.3"×11.8"×1.7")	440mm×330mm×44mm (17.3"×13.0"×1.7")	440mm×330mm×44mm (17.3"×13.0"×1.7")	440mm×330mm×44mm (17.3"×13.0"×1.7")

Aggregation Switch

L2+ Switch

Model	AS4300-8GT2GF	AS4300-16GT4GF	AS4300-24GT4GF	AS4300-48GT4GF	SG5028X	SG5036FX
Appearance						
Fast/Gigabit Ethernet	8GE	16GE	24GE	48GE	24GE	8GE
SFP Slots	2GE SFP	4GE SFP	4GE SFP	4GE SFP	4×10G SFP+	24GE SFP+4x10G SFP+
Recommended Access Cameras	30	50	80	100	200	200
Switching Capacity	20Gbps	40Gbps	56Gbps	104Gbps	128Gbps	144Gbps
Packet Forwarding Rate	15Mpps	30Mpps	41.7Mpps	77.4Mpps	96Mpps	108Mpps
VLAN	Supported	Supported	Supported	Supported	Supported	Supported
Link Aggregation	Supported	Supported	Supported	Supported	Supported	Supported
Stacking	Supported	Supported	Supported	Supported	--	--
MAC Table	16K	8K	8K	8K	32K	32K
IPV4 Routing Table	1K	1K	1K	1K	4K	4K
IGMP Snooping	Supported	Supported	Supported	Supported	Supported	Supported
Static IP Routing	Supported	Supported	Supported	Supported	Supported	Supported
Dynamic Routing	RIP & OSPF	--	--	--	--	--
VRRP	--	--	--	--	--	--
Management	Web, CLI, SNMP	Web, CLI, SNMP	Web, CLI, SNMP	Web, CLI, SNMP	WEB, CLI, SNMP	Web, CLI, SNMP
Working Temperature	-5 °C~+45 °C (+23 °F~+113 °F)	-5 °C~+45 °C (+23 °F~+113 °F)"	-5 °C~+45 °C (+23 °F~+113 °F)	-5 °C~+45 °C (+23 °F~+113 °F)	-20°C~+55°C (-4°F~+131°F)	-20°C~+55°C (-4°F~+131°F)
Power Supply	Single AC	Single AC	Single AC	Single AC	Single AC	Single AC
Dimensions (W×D×H)	266mm×161mm×43.6mm (10.47"×6.34"×1.72")	330mm×230mm×44mm (12.99"×9.06"×1.73")	440mm×160mm×44mm (17.32"×6.30"×1.73")	440mm×230mm×44mm (17.32"×9.06"×1.73")	440mm×300mm×44mm (17.3"×11.8"×1.7")	440mm×285mm×44mm (17.3"×11.2"×1.7")

TRANSMISSION

Aggregation Switch

	L3 Switch			
Model	AS5500-24GT4XF	S5500-48GT4XF-E	S5500-24GF4XF-E	AS5500-48GF4XF
Appearance				
Fast/Gigabit Ethernet	24GE	48GE	8GE (Combo)	2GE (Combo)
SFP Slots	4×10G SFP+	4×10G SFP+	16GE SFP+8GE SFP (Combo) +4×10G SFP+	46GE SFP+2GE SFP (Combo) +4×10G SFP+
Recommended Access Cameras	250	250	250	250
Switching Capacity	128Gbps	336Gbps	336Gbps	176Gbps
Packet Forwarding Rate	96Mpps	132Mpps	96Mpps	132Mpps
VLAN	Supported	Supported	Supported	Supported
Link Aggregation	Supported	Supported	Supported	Supported
Stacking	Supported	Supported	Supported	Supported
MAC Table	16K	16K	16K	16K
IPV4 Routing Table	1K	1K	1K	1K
IGMP Snooping	Supported	Supported	Supported	Supported
Static IP Routing	Supported	Supported	Supported	Supported
Dynamic Routing	OSPF, RIP	OSPF, RIP	OSPF, RIP	OSPF, RIP
VRRP	--	--	--	--
Management	Web, CLI, SNMP	Web, CLI, SNMP	Web, CLI, SNMP	Web, CLI, SNMP
Working Temperature	–5 °C to +45 °C (+23 °F to +113 °F)	0°C~+45°C (32°F~+113°F)	0°C~+45°C (32°F~+113°F)	–5 °C to +45 °C (+23 °F to +113 °F)
Power Supply	Single AC	Single AC	Single AC	Dual AC
Dimensions (W×D×H)	440mm×360mm×43.6mm (17.3"×14.2"×1.7")	440mm×360mm×43.6mm (17.3"×14.2"×1.7")	440mm×360mm×43.6mm (17.3"×14.2"×1.7")	440mm×360mm×43.6mm (17.3"×14.2"×1.7")

Aggregation Switch

Enhanced L3 Switch

Model	AS5600-24GT4XF	S5600-48GT4XF	AS5600-24GF4XF	AS5600-48GF4XF	AS6600-24XF2QF	S6500-48XF2QF
Appearance						
Fast/Gigabit Ethernet	24GE	48GE	8GE (Combo)	--	--	--
SFP Slots	4×10G SFP+	4×10G SFP+	16GE SFP+8GE SFP (Combo) +4×10G SFP+	48GE SFP+4×10G SFP+	24x10G SFP+ &2x40G QSFP	48x10G SFP+ &2x40G QSFP
Recommended Access Cameras	350	350	350	350	450	450
Switching Capacity	598Gbps	598Gbps	598Gbps	598Gbps	980Gbps	2560Gbps
Packet Forwarding Rate	96Mpps	144Mpps	96Mpps	132Mpps	705Mpps	1080Mpps
VLAN	Supported	Supported	Supported	Supported	Supported	Supported
Link Aggregation	Supported	Supported	Supported	Supported	Supported	Supported
Stacking	Supported	Supported	Supported	Supported	Supported	Supported
MAC Table	16K	16K	16K	16K	128K	128K
IPV4 Routing Table	12K	12K	12K	12K	64K	64K
IGMP Snooping	Supported	Supported	Supported	Supported	Supported	Supported
Static IP Routing	Supported	Supported	Supported	Supported	Supported	Supported
Dynamic Routing	OSPF, RIP, BGP, IS-IS	OSPF, RIP, BGP, IS-IS	OSPF, RIP, BGP, IS-IS	OSPF, RIP, BGP, IS-IS	OSPF, RIP, BGP, IS-IS	OSPF, RIP, BGP, IS-IS
VRRP	Supported	Supported	Supported	Supported	Supported	Supported
Management	Web, CLI, SNMP	Web, CLI, SNMP	Web, CLI, SNMP	Web, CLI, SNMP	Web, CLI, SNMP	Web, CLI, SNMP
Working Temperature	–5 °C to +45 °C (+23 °F to +113 °F)	0°C~+45°C (32°F~+113°F)	–5 °C to +45 °C (+23 °F to +113 °F)	–5 °C to +45 °C (+23 °F to +113 °F)	–5 °C to +45 °C (+23 °F to +113 °F)	–5 °C to +45 °C (+23 °F to +113 °F)
Power Supply	Dual AC	Dual AC	Dual AC	Dual AC	Dual AC	Dual AC
Dimensions (W×D×H)	440mm×360mm×43.6mm (17.3"×14.2"×1.7")	440mm×360mm×43.6mm (17.3"×14.2"×1.7")	440mm×360mm×43.6mm (17.3"×14.2"×1.7")	440mm×360mm×43.6mm (17.3"×14.2"×1.7")	440mm×360mm×43.6mm (17.3"×14.2"×1.7")	440mm×360mm×43.6mm (17.3"×14.2"×1.7")

TRANSMISSION

Core Switch

Core Switch			
Model	S7803	S7806	S8610
Appearance			
Switching Capacity	38.4Tbps	76.8Tbps	256 Tbps
Packet Forwarding Rate	7200Mpps	8640Mpps	8400 Mpps
Number of Service Slots	3	6	10
Recommended Access Cameras	Single main processing unit: 500 Dual main processing unit: 800	Single main processing unit: 700 Dual main processing unit: 1400	3000
Redundancy Design	Redundancy of power supply and main processing unit	Redundancy of power supply and main processing unit	Redundancy of power sources and main processing unit
Layer 2 Features	VLAN/STP/RSTP/MSTP/CoS/Flow Control/Link Aggregation/etc.	VLAN/STP/RSTP/MSTP/CoS/Flow Control/Link Aggregation/etc.	VLAN/STP/RSTP/MSTP/CoS/Flow Control/Link Aggregation/etc.
IPv4 Routing	Supported	Supported	Supported
IPv6 Routing	Supported	Supported	Supported
Multicast	Supported	Supported	Supported
ACL	Supported	Supported	Supported
QoS	Supported	Supported	Supported
Security Mechanism	FTP/TFTP/SNMP/RMON	FTP/TFTP/SNMP/RMON	FTP/TFTP/SNMP/RMON
Reliability	CPU protection/VRRP/RPR/DLCP	CPU protection/VRRP/RPR/DLCP	CPU protection/VRRP/RPR/DLCP
Working Temperature	0°C~+45°C (32°F~+113°F)	0°C~+45°C (32°F~+113°F)	0°C~+45°C (32°F~+113°F)
Dimensions (W×D×H)	436mm×420mm×216mm (17.2"×16.5"×8.5")	436mm×420mm×575mm (17.2"×16.5"×22.6")	440mm×660mm×620mm (17.3"×26.0"×24.4")

iLinksView Network Management Platform

iLinksView Network Management Platform	
Model	ILS1000
Appearance	
Interface	2GE + 4USB + 1 HDMI + 1 VGA
Intelligent Analytics	Switch Statistics Port Bandwidth Occupancy Alarm Statistics Switch Run Time
Dynamic View	Device visualization Link visualization Bandwidth visualization Real-time alarm Auto-generated topology
Network Management	Displays the detailed information of switches, such as name, mode, SN, IP, MAC and status
Alarm Message	Supports IP conflict alarm, switch status alarm, terminal status alarm, loopback alarm, and port congestion alarm
Lightning Protection	Common Mode 8KV Differential Mode 6KV
Working Temperature	-10°C~+55°C (14°F~+131°F)
Dimensions (W×D×H)	155 mm×135 mm×30 mm (6.10" × 5.31"×1.18")

Outdoor Wireless Transmission Device

	5G Wireless CPE			5G Wireless AP	2.4G Wireless AP for Elevator
Model	PFM881E	WBC5-45AC-03P	WBC5-30AC-05P	PFM880E	WB2-60N-I
Appearance					
Fast/Gigabit Ethernet	1GE	1GE PoE+1FE	1GE PoE+1FE	1GE	2FE
Wireless Standard	IEEE802.11 a/n/ac	IEEE802.11 a/n/ac	IEEE802.11 a/n/ac	IEEE802.11a/n/ac	IEEE802.11b/g/n
Working Frequency	5GHz	2.4G&5GHz	2.4G&5GHz	5GHz	2.4GHz
Wireless Speed	867Mbps	867 Mbps	867 Mbps	867Mbps	300Mbps
Transmission Distance	3Km	3Km	5Km	3Km	1Km
Polarization	Dual Linear: Horizontal 17° Vertical 17°	Dual linear: Horizontal 45° Vertical 20°	Dual linear: Horizontal 30° Vertical 20°	Dual Linear: Horizontal 90° Vertical 9°	Dual Linear: Horizontal 60° Vertical 60°
Ingress Protection	IP66	IP65	IP65	IP66	IP65
Working Temperature	-30°C~+70°C (-22°F~+158°F)	-30 °C to +65 °C (–22 °F to +149 °F)	-30 °C to +65 °C (–22 °F to +149 °F)	-30°C~+70°C (-22°F~+158°F)	-30°C~+70°C (-22°F~+158°F)
Dimension (LxDxH)	200mm×200mm×50mm (10.6"×3.3"×2.0")	268mm×82mm×35mm (10.55"×3.23"×1.38")	268mm×82mm×35mm (10.55"× .23"×1.38")	265mm×265mm×87.5mm (Device) (10.4"×10.4"×3.4") 450mm×166mm×60mm (Antenna) (17.7"×6.5"×2.4")	168mm×88mm×57.6 mm (6.61"×3.46"×2.27")
Power	PoE+ (802.3at)	PoE+ (802.3at)	PoE+ (802.3at)	PoE+ (802.3at)	Passive PoE

Outdoor Wireless Transmission Device

	4G Router
Model	WM4720-OW
Appearance	
LAN Port	3GE (LAN/WAN switching)
WAN Port	3GE (LAN/WAN switching)
Wi-Fi	802.11n/ac/a×
Network Mode	Southeast Asia version (SEA): B1/B3/B5/B8/ B34/B38/B39/ B40/B41; Oceania and North American version (US): B1/B2/B3/B4/B5/B7/B8/B12/B17/ B28/B38/B40/B66; European version (EU): B1/B3/B5/B7/B8/B20/B28/B38/B40/ B41
Antenna	Cellular: 2× standard SMA antenna ports (characteristic impedance 50 Ω) Wi-Fi: 2× standard SMA antenna ports (characteristic impedance 50 Ω)
WAN Connection Modes	Static IP, DHCP, PPPoE and 4G
SIM/UIM Card Port	1.8V/3V SIM card
Encryption	WPA, WPA2 and WPA3
Working Temperature	-40 °C~+75 °C (-40 °F~+167 °F)
Dimension	207mm×135mm×28mm (8.15"× 5.31"×1.10")
Power	DC 12V/1.5A

TRANSMISSION

Accessories

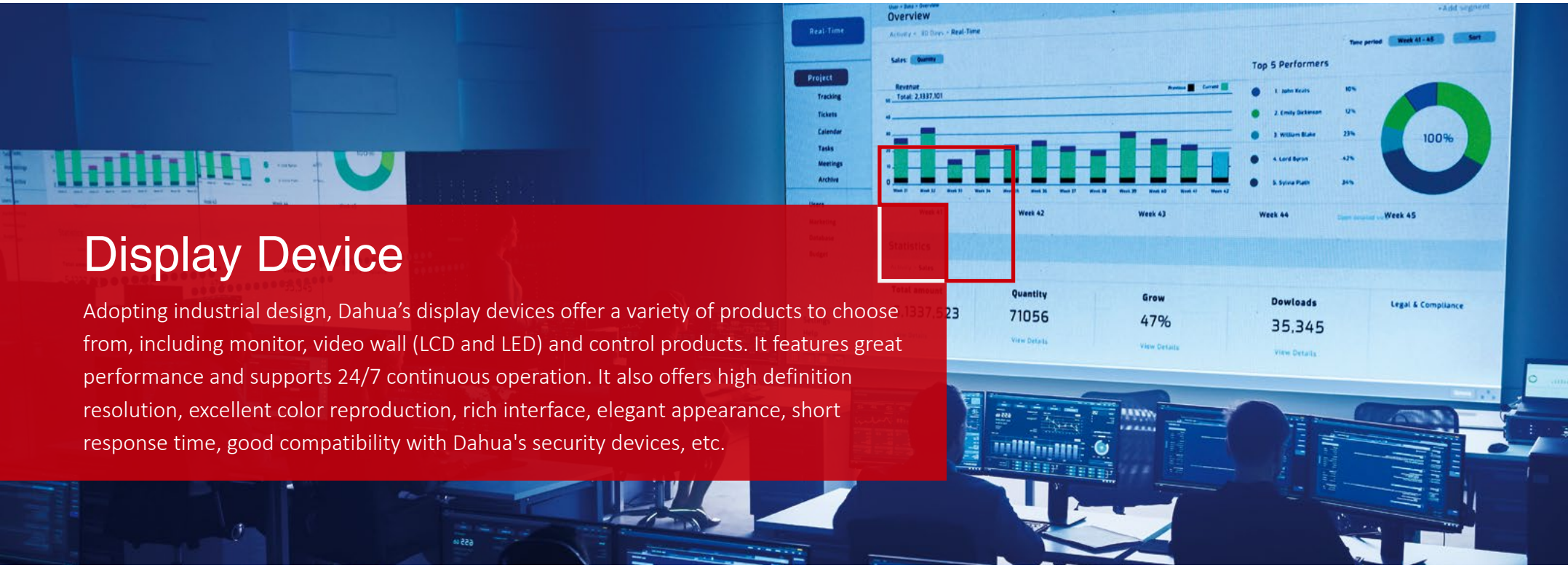
SFP Module

Model	GSFP-850-MMF	GSFP-1310-20-SMF	GSFP-1310T-20-SMF	GSFP-1310R-20-SMF	TSFP-850-MMF	TSFP-1270R-20-SMF	TSFP-1270T-20-SMF
Appearance							
Data Rate	1.25Gbps	1.25Gbps	1.25Gbps	1.25Gbps	10Gbps	10Gbps	10Gbps
Interface	LC	LC	LC	LC	LC	LC	LC
Port	Dual fiber port	Dual fiber port	Single fiber port	Single fiber port	Dual fiber port	Single fiber port	Single fiber port
Transmission Distance	550m	20km	20km	20km	300m	20km	20km
Transmission Medium	Multi-mode	Single-mode	Single-mode	Single-mode	Multi-mode	Single-mode	Single-mode
Wavelength	850nm	1310nm/1310nm	1310nm/1550nm	1550/1310nmnm	850nm	1330nm/1270nm	1270nm/1330nm
Sensitivity	≤-23dBm	≤-23dBm	≤-23dBm	≤-23dBm	-11dBm	-14.5dBm	-14.5dBm
Output Power	-9.5~-3dBm	-9~-2dBm	-9~-2dBm	-9~-2dBm	-6.5~0.5dBm	-3~2dBm	-3~2dBm

DIN Rail Power Supply

Model	EDP-75-48	DRL-48V120W1AAD	LIF240-10B48R2
Appearance			
Output Power	75W	120W	240W
Input Voltage Range	90-264Vac	85-264Vac	90-264Vac
Input Frequency Range	47-63Hz	47-63Hz	47-63Hz
Output Voltage Range	48~55Vdc	44-56Vdc	48~53Vdc
Dimensions (L×W×D)	126 mm×34.5 mm×101.5 mm (4.96"×1.36"×4.00 ")	123.6 mm×40 mm×117.6 mm (4.86"×1.57"×4.62 ")	124 mm×62 mm×119 mm (4.88"×2.44"×4.69 ")

DISPLAY & CONTROL



Display Device

Adopting industrial design, Dahua's display devices offer a variety of products to choose from, including monitor, video wall (LCD and LED) and control products. It features great performance and supports 24/7 continuous operation. It also offers high definition resolution, excellent color reproduction, rich interface, elegant appearance, short response time, good compatibility with Dahua's security devices, etc.

Monitor

- Industrial level LCD panel for continuous 24/7 operation
- FHD/Ultra-HD resolution
- Rich interface
- Realistic and immersive visual experience

LCD Video Wall

- Industrial level LCD panel from 46"-65", for continuous 24/7 operation
- Anti-glare panel, vivid image quality
- Rich interfaces
- Extreme narrow bezel; virtually seamless effect
- Fast stacking installation; two maintenance modes (front, rear)

Indoor Fine Pitch Series LED Display

- Seamless splicing for any screen size
- High color gamut (12-16 bits) brings excellent visual experience
- Two maintenance modes (front, rear) for convenient installation

Monitor

	F400					S200
Model	LM28-F400	LM43-F400	LM50-F400	LM55-F400	LM65-F400	LM32-S200
Appearance						
Screen Size	28"(16:9)	43"(16:9)	50"(16:9)	55"(16:9)	65"(16:9)	31.5"(16:9)
Resolution	3840×2160	3840×2160	3840×2160	3840×2160	3840×2160	1920×1080
Brightness	300cd/m^2	300cd/m^2	300cd/m^2	380cd/m^2	350cd/m^2	350cd/m^2
Contrast Ratio	1000:1	4000:1	5000:1	5000:1	1200:1	1200:1
Viewing Angle	H 178°, V 178°	H 178°, V 178°	H 178°, V 178°	H 178°, V 178°	H 178°, V 178°	H 178°, V 178°
Response Time	5ms	9.5ms	8ms	9.5ms	8ms	8ms
Display Color	1.07B(10bit)	8bit+FRC	8bit+FRC	8bit+FRC	8bit+FRC	16.7M (8bit)
Input	DP×1, HDMI×2, USB×1	HDMI×3, USB×1	HDMI×3, USB×1, VGA×1, Audio in	HDMI×3, USB×1	HDMI×3, USB×1, VGA×1, Audio in	CVBS(BNC)×2, VGA(D-Sub)×1, DVI-D×1, HDMI×1, Audio×1, RS232×1, USB×1
Output	2 Speakers	Audio out, 2 speakers	2 Speakers	Audio out, 2 speakers	2 Speakers	CVBS(BNC)×2, RS232×1,Speakers×2
Control	Physical Button	Physical Button, Infrared Remote	Physical Button, Infrared Remote	Physical Button, Infrared Remote	Physical Button, Infrared Remote	RS232, Infrared Remote
Working Temperature	0°C~+40°C (+32°F~+104°F)	0°C~+40°C (+32°F~+104°F)	0°C~+40°C (+32°F~+104°F)	0°C~+40°C (+32°F~+104°F)	0°C~+40°C (+32°F~+104°F)	0°C~+50°C (+32°F~+122°F)
Working Humidity	10~85%	10~85%	10~85%	10~85%	10~85%	20~90%
Power & Consumption	AC100~240V	AC100-240V	AC100-240V, 2.5A, 50/60Hz	AC100-240V, 2.5A, 50/60Hz	AC100-240V, 2.5A, 50/60Hz	AC100~240V (+/-10%), 50/60 Hz
Bezel Width	TBD	14.85mm (U/L/R), 20mm (B)	8.24mm (U),3.9mm(L/R), 22.62mm (B)	12.5mm (U/L/R), 19mm (B)	8.24mm (U),2.9mm(L/R), 22.62mm (B)	25.5mm (U/L/R/B)
VESA	75×75mm	200×200mm	200×200mm	400×200mm	300×300mm	300×300mm
Dimensions	637.88×368.53×57.36mm (25.1"×14.5"×2.3")	972.5×566×86.4mm (38.3"×22.3"×3.4")	1113.04×649×87.2mm (43.8"×25.6"×3.4")	1236.0×715×68.3mm (48.7"×28.1"×2.7")	1446.3×838.4×77.6mm (56.9"×33"×3.1")	750.7×455.1×44.0mm (29.6"×17.9"×1.7")
Weight	7kg (15.4lb)	7.4kg (16.28lb)	10.4kg (22.9lb)	11.7kg (25.74lb)	18.6kg (40.9lb)	10kg (22.0lb)

DISPLAY & CONTROL

Monitor

	S200		S400			
Model	LM43-S200	LM55-S200	LM43-S400	LM49-S400	LM55-S400	LM65-S400
Appearance						
Screen Size	42.5"(16:9)	54.6"(16:9)	43"(16:9)	49"(16:9)	55"(16:9)	64.5"(16:9)
Resolution	1920×1080	1920×1080	3840×2160	3840×2160	3840×2160	3840×2160
Brightness	350cd/m^2	350cd/m^2	450cd/m^2	450cd/m^2	450cd/m^2	400cd/m^2
Contrast Ratio	1200:1	1200:1	1000:1	1000:1	1000:1	1200:1
Viewing Angle	H 178°, V 178°	H 178°, V 178°	H 178°, V 178°	H 178°, V 178°	H 178°, V 178°	H 178°, V 178°
Response Time	8ms	6ms	8ms	8ms	6ms	8ms
Display Color	16.7M (8bit)	16.7M (8bit)	1.07B (10bit)	1.07B (10bit)	1.07B (10bit)	1.07B (10bit)
Input	VGA(D-Sub)×1, HDMI×1, USB×1, Audio in×1, RS232×1	1 HDMI 2.0, 1 VGA, 1 USB multimedia, 1 Audio, 1 RJ45 (RS232)	1 DP, 2 HDMI, 1 VGA, 1 USB, 1 Audio, 1 RJ45 (RS232)	1 DP, 2 HDMI, 1 VGA, 1 USB, 1 Audio, 1 RJ45 (RS232)	1 DP, 2 HDMI, 1 VGA, 1 USB, 1 Audio, 1 RJ45 (RS232)	1 HDMI 2.0, 1 VGA, 1 USB multimedia,1 Audio, 1 RJ45 (RS232), 1 OPS
Output	Audio out×1, RS232×1, Speakers×2	Audio out×1, RS232(RJ45)×1, 2 Speakers	1 RJ45(RS232), 2 Speakers	1 RJ45(RS232), 2 Speakers	1 RJ45(RS232), 2 Speakers	Audio out×1, RS232×1, 2 Speakers
Control	Physical Button, Infrared Remote	Physical Button, Infrared Remote	RS232, Infrared Remote	RS232, Infrared Remote	RS232, Infrared Remote	Physical Button, Infrared Remote
Working Temperature	0°C~+40°C (+32°F~+104°F)	0°C~+40°C (+32°F~+104°F)	0°C~+40°C (+32°F~+104°F)	0°C~+40°C (+32°F~+104°F)	0°C~+40°C (+32°F~+104°F)	0°C~+40°C (+32°F~+104°F)
Working Humidity	20%~85%	20%~85%	10~85%	10~85%	10~85%	20%~85%
Power & Consumption	AC100~240V (+/-10%), 50/60 Hz, 1.5A	AC100~240V (+/-10%), 50/60 Hz, 2.5A	AC100~240V (+/-10%), 50/60 Hz	AC100~240V (+/-10%), 50/60 Hz	AC100~240V (+/-10%), 50/60 Hz	AC100~240V (+/-10%), 50/60 Hz, 3.5A
Bezel Width	13mm (U/L/R/B)	13.9mm (U/L/R/B)	8mm (U/L/R/B)	8mm (U/L/R/B)	8mm (U/L/R/B)	23.1mm (U/L/R/B)
VESA	400×200mm	400×400mm	400×400mm	400×400mm	400×400mm	600×400mm
Dimensions	969.9×558.3×84.8mm (38.2"×22.0"×3.3")	1243.2×714×69.6mm (48.9"×28.1"×2.7")	960.7×550.7×65.0mm (37.8"×21.7"×2.6")	1091.5×623.2×65.0mm (43.0"×24.5"×2.6")	1227.2×699.6×65.0mm (48.3"×27.5"×2.6")	1476.7×851.7×79.8mm (58.1"×33.5"×3.1")
Weight	10.4kg (22.9lb)	15kg (33.1lb)	16.6kg (36.6lb)	20.5kg (45.2lb)	25.2kg (55.6lb)	28.5kg (62.8lb)

LCD Video Wall

Model	LS650KCM-UF	LS550UDM-UF	LS550UCM-EF	LS490UCM-EF	LS460UCM-EF
Appearance					
Screen Size	65" (16:9)	55" (16:9)	55" (16:9)	49" (16:9)	46" (16:9)
Panel Type	ADS	ADS	ADS	ADS	ADS
Resolution	3840x2160	1920x1080	1920x1080	1920x1080	1920x1080
Backlight	Direct LED	Direct LED	Direct LED	Direct LED	Direct LED
Bezel Width	2.3mm (T/L), 1.2mm (B/R)	0.9mm (T/L), 0.8mm (B/R)	2.3mm (T/L), 1.2mm (B/R)	2.3mm (T/L), 1.2mm (B/R)	2.3mm (T/L), 1.2mm (B/R)
Pixel Density	68dpi	40dpi	40dpi	46dpi	48dpi
Brightness	500cd/m^2	500cd/m^2	500cd/m^2	500cd/m^2	500cd/m^2
Contrast Ratio	1200:1	1200:1	1200:1	1200:1	1200:1
Viewing Angle	H 178°, V 178°	H 178°, V 178°	H 178°, V 178°	H 178°, V 178°	H 178°, V 178°
Response Time (G-to-G)	8ms	8ms	8ms	8ms	8ms
Color Depth	8bit	8bit	8bit	8bit	8bit
Color Temperature	10,000K	10,000K	10,000K	10,000K	10,000K
MTBF	50,000h	50,000h	50,000h	50,000h	50,000h
Input	1 VGA, 1 DVI-D, 2 HDMI, 1 DP, 1 RS232, 1 Audio in, 1 OPS, 1 IR	1 VGA, 1 DVI-D, 2 HDMI, 1 DP, 1 RS232, 1 Audio in, 1 IR	1 CVBS, 1 VGA, 1 DVI-D, 1 HDMI, 1 RS232, 2 USB, 1 Audio in, 1 IR	1 CVBS, 1 VGA, 1 DVI-D, 1 HDMI, 1 RS232, 2 USB, 1 Audio in, 1 IR	1 CVBS, 1 VGA, 1 DVI-D, 1 HDMI, 1 RS232, 2 USB, 1 Audio in, 1 IR
Output	1 DP, 1 RS232, 1 Audio out	1 DP, 1 RS232, 1 Audio out	1 CVBS, 1 RS232, 2 HDMI, 1 VGA, 1 Audio out	1 CVBS, 1 RS232, 2 HDMI, 1 VGA, 1 Audio out	1 CVBS, 1 RS232, 2 HDMI, 1 VGA, 1 Audio out
Control Mode	RS232, Infrared Remote	RS232, Infrared Remote	RS232, Infrared Remote	RS232, Infrared Remote	RS232, Infrared Remote
Working Temperature	0°C~+50°C (+32°F~+122°F)	0°C~+50°C (+32°F~+122°F)	0°C~+40°C (+32°F~+104°F)	0°C~+40°C (+32°F~+104°F)	0°C~+40°C (+32°F~+104°F)
Working Humidity	10~80%	10~80%	10~80%	10~80%	10~80%
Power & Consumption	AC100V~AC240V, 130W	AC100V~AC240V, 180W	AC100V~AC240V, 175W	AC100V~AC240V, 135W	AC100V~AC240V, 130W
Dimensions	1432.6mm×807.6mm×127.1mm (56.4"×31.8"×5.0")	1212.7mm×683.5mm×121.7mm (47.7"×26.9"×4.8")	1213.7mm×684.5mm×121.8mm (47.8"×26.9"×4.8")	1078.4mm×608.4mm×120.8mm (42.5"×24"×4.8")	1022mm×576.6mm×121.8mm (40.2"×22.7"×4.8")
Installation Mode	Floor-standing, Wall-mounted (Optional)	Floor-standing, Wall-mounted (Optional)	Floor-standing, Wall-mounted (Optional)	Floor-standing, Wall-mounted (Optional)	Floor-standing, Wall-mounted (Optional)

Indoor Fine Pitch Series LED Display

	Indoor Fine Pixel Pitch CH II Series			Indoor Fine Pixel Pitch LS Series	
Model	DHI-PHSIA1.5-CH	DHI-PHSIA1.2-CH	DHI-PHSIA0.9-CH	DHI-PHSIA1.5-LS	DHI-PHSIA1.2-LS
Appearance					
Pixel Pitch	1.5625mm	1.25mm	0.9375mm	1.5625mm	1.25mm
Pixel Configuration	1R1G1B	1R1G1B	1R1G1B	1R1G1B	1R1G1B
LED Type	Flip COB Chip	Flip COB Chip	Flip COB Chip	SMD1010/SMD1212	SMD1010
Brightness (Max)	600 nit	600 nit	600 nit	800 nit	800 nit
Color Temperature	9300K ± 200K	9300K ± 200K	9300K ± 200K	4000K~9500K(adjustable)	4000K~9500K(adjustable)
Viewing Angle (H°/V°)	160°/160°	160°/160°	160°/160°	160°/140°	160°/140°
Pixel Density	409600 dots/m²	640000 dots/m²	1137777 dots/m²	409600 dots/m²	640000 dots/m²
Module Size (W×H)	150×168.75mm	150×168.75mm	150×168.75mm	300×168.75 mm	300×168.75 mm
Module Resolution (W×H)	96x108 dots	120x135 dots	160x180 dots	192×108 dots	240×135 dots
Cabinet Size (W×H×D)	600×337.5×39.75mm	600×337.5×39.75mm	600×337.5×39.75mm	600×337.5×45 mm	600×337.5×45 mm
Cabinet Resolution (W×H)	384×216 dots	480×270 dots	640×360 dots	384×216 dots	480×270 dots
Cabinet Weight	4.0 kg±0.5	4.0 kg±0.5	4.0 kg±0.5	5.76 kg±0.5	5.76 kg±0.5
Cabinet Material	Die-cast aluminum	Die-cast aluminum	Die-cast aluminum	Die-cast aluminum	Die-cast aluminum
Cabinet Aspect Ratio	16:9	16:9	16:9	16:9	16:9
IP Rating	Front IP65/ Rear IP43	Front IP65/ Rear IP43	Front IP65/ Rear IP43	IP30/IP30	IP30/IP30
Operating Temperature/Humidity	-10°C~+40°C/10%~80%RH	-10°C~+40°C/10%~80%RH	-10°C~+40°C/10%~80%RH	-10°C~+45°C/10%~90%RH	-10°C~+45°C/10%~90%RH
Storage Temperature/Humidity	-20°C~+60°C/10%~80%RH	-20°C~+60°C/10%~80%RH	-20°C~+60°C/10%~80%RH	-25°C~+60°C/10%~60%RH	-25°C~+60°C/10%~60%RH
Gray Scale	13bits	13bits	13bits	14 bits	14 bits
Contrast Ratio	10000:1	10000:1	10000:1	4000:1	4000:1
Refresh Rate	3840 Hz	3840 Hz	3840 Hz	3840 Hz	3840 Hz
Input power frequency	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz
Input Voltage	AC110~220V (+/-10%)	AC110~220V (+/-10%)	AC110~220V (+/-10%)	AC110~220V (+/-10%)	AC110~220V (+/-10%)
Input Power (Max)	350W/m²	350W/m²	370W/m²	500W/m²	500W/m²
Input Power (Avg)	120 W/m²	120 W/m²	125 W/m²	200 W/m²	200 W/m²
Installation Mode	Wall Mounted/Floor Mounted	Wall Mounted/Floor Mounted	Wall Mounted/Floor Mounted	Wall Mounted/Floor Mounted/Arc	Wall Mounted/Floor Mounted/Arc
Maintenance Mode	Front Maintenance	Front Maintenance	Front Maintenance	Front Maintenance	Front Maintenance
Driving Type	Constant Current, 1/54 Scanning	Constant Current, 1/60 Scanning	Constant Current, 1/54 Scanning	Constant Current, 1/54 Scanning	Constant Current, 1/45 Scanning
Signal Transmission Distance	CAT5 Cable (L≤100m), multi-mode fiber (L≤300m), single mode fiber (L≤10km)	CAT5 Cable (L≤100m), multi-mode fiber (L≤300m), single mode fiber (L≤10km)	CAT5 Cable (L≤100m), multi-mode fiber (L≤300m), single mode fiber (L≤10km)	CAT5 Cable (L≤100m), multi-mode fiber (L≤300m), single mode fiber (L≤10km)	CAT5 Cable (L≤100m), multi-mode fiber (L≤300m), single mode fiber (L≤10km)

Video controller

K series is a two-in-one video controller, integrating video processing and video control functions. It can receive and process a variety of video signals, support stepless zoom, low latency, 3D, point-by-point chroma correction and other functions of the output screen, and provide excellent image display.

- Long-distance transmission; break the distance limit
- Comprehensive input/output and sound/video interface
- Multi-layer window, the screen layout is flexible
- The front panel LCD + button enables convenient operation

DH-LCS-K series

Model	DHI-LCS-K4	DHI-LCS-K6	DHI-LCS-K10	DHI-LCS-K16
Appearance				
Loading Capacity (pixel)	2,600,000	3,900,000	6,500,000	10,400,000
Video Source Depth	8Bit	8Bit	8bit	8 / 10 / 12bit
Maximum Input	Max Width:3840×648@60Hz Max Height:800×2784@60Hz Min: 800×600@60Hz	Max Width:3840×600@60Hz Max Height:800×2784@60Hz Min: 800×600@60Hz	Max Width:4096×1136@60Hz Max Height:1060×3981@60Hz Min: 800×600@60Hz	Max Width:8192×1080@60Hz Max Height:1080×8192@60Hz Min: 800×600@60Hz
Maximum Output	Max Width: 10240 Max Height: 8192	Max Width: 10240 Max Height: 8192	Max Width: 10240 Max Height: 8192	Max Width: 16384 Max Height: 8192
Video Input	HDMI1.3×2 DVI×1 3G-SDI×1 1×10G optical fiber port (OPT1)	HDMI1.3×2 DVI×1 3G-SDI×1 1×10G optical fiber port (OPT1)	HDMI1.4×2 DVI×2 3G-SDI×1 1×10G optical fiber port (OPT1)	HDMI2.0×1 DVI×4 DP1.2×1 12G SDI×2
Output	Network Port×4 DVI LOOP×1 SDI LOOP×1 HDMI1.3×1 (Monitor) 1×10G optical fi ber port (OPT2)	Network Port×6 HDMI1.3 LOOP×1 DVI LOOP×1 SDI LOOP×1 HDMI1.3×1 (Monitor) 1×10G optical fi ber port (OPT2)	Network Port×10 HDMI1.4 LOOP×1 DVI LOOP×1 SDI LOOP×1 HDMI1.3×1 (Monitor) 1×10G optical fi ber port (OPT2)	Network Port×16 10G Fiber Output×4 12G SDI LOOP×2 HDMI2.0 LOOP×1 HDMI×1 (monitor)
Multiple Carrier Mode	Splicing Loading	Splicing Loading	Splicing Loading	Splicing Loading
Max Layers	2	3	3	3
Max Presets	10	10	10	10
Control Method	USB, TCP/IP	USB, TCP/IP	USB, TCP/IP	USB, TCP/IP, RS232
Control Protocol	TCP/IP	TCP/IP	TCP/IP	TCP/IP

Multimedia player

The M series is a new generation of multimedia players launched by Dahua for LED Full-color display. It integrates the playback and sending functions. It supports connection with PC, mobile phone, tablet and other user terminals. Through cloud release and cloud supervision and control platforms, it can easily achieve cross-regional cluster management of display screens.

- Super decoding; Hassle-free playing
- Rich interface docking feature adapts to multiple networking environments
- The departure video source is enough to complete deployment
- Small LED control system saves physical installation space

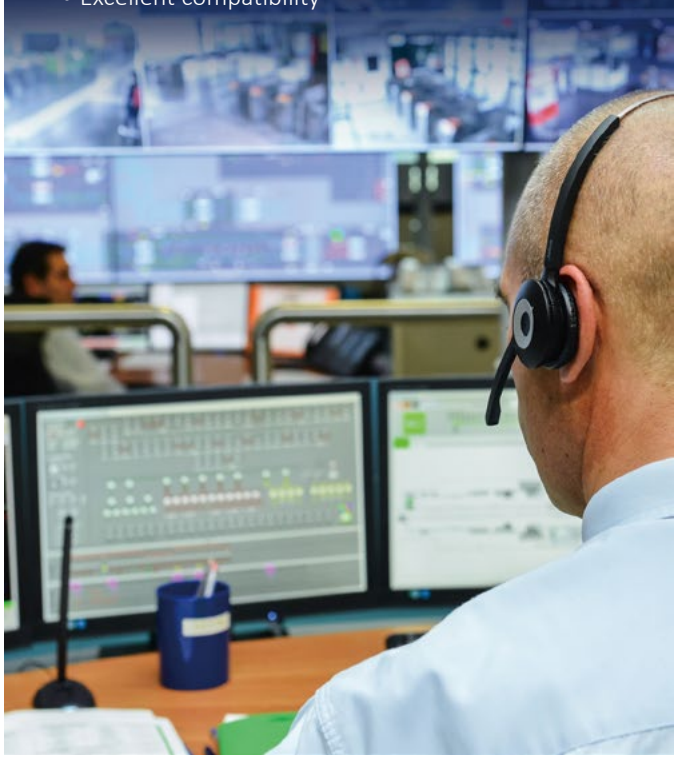
DH-LCS-M series

Model	DHI-LCS-M2L	DHI-LCS-M2H	DHI-LCS-M4H
Appearance			
Loading Capacity (pixel)	650,000	1,300,000	2,300,000
Output	1×primary 1×backup	2×primary	4×primary
Maximum Resolution	Width: 4096 Hight: 4096	Width: 4096 Hight: 4096	Width: 4096 Hight: 4096
Video Decoder	4K	4K	4K
Processing	1GB+16GB	1GB+16GB	1GB+16GB
U Disk Expansion	Up to 128G	Up to 128G	Up to 128G
Support Mode	Asynchronous mode	Asynchronous mode Synchronous mode	Asynchronous mode Synchronous mode
Audio Features	Audio Output	Audio Output	Audio Output
Sync Method	NTP/GPS/LORA	NTP/GPS/LORA	NTP/GPS/LORA
Control Mode	RJ45 WiFi (AP&STA Switchable) 4G&5G Network Platform link	RJ45 WiFi (AP&STA Switchable) 4G&5G Network Platform link	RJ45 WiFi (AP&STA Switchable) 4G&5G Network Platform link
Protocol	Java SDK	Java SDK	Java SDK
Operation System	Android 11	Android 11	Android 11

Video Management Platform

Offers enhanced processing capabilities and flexible configuration with pluggable card module design to ensure excellent viewing experience using LCD, DLP or LED video wall.

- 19” Standard ATCA industrial box with slotted design
- Flexible image display
- Powerful encoding and decoding capability
- Excellent compatibility



Video Management Platform

Model	M60-12U	M70-4U-E
Appearance		
Screen Quantity	180 Screens	60 Screens
Splicing Control Modes	Zoom/Merge/Roam/Overlay	Zoom/Merge/Roam/Overlay
Card Slots	1 main slot and 10 service slots	1 main slot, 1 control slot and 10 service slots
Max Encoding	200CH@1080P/200CH@D1	40CH@1080P
Max Decoding	60CH@32MP(25fps)/240CH@4K/960CH@1080P/ 1920CH@720P/3840CH@D1	20CH@8K(25fps)/80CH@4K/320CH@1080P/ 720CH@720P/1280CH@D1
Local Video Input	HDMI/DVI (VGA with converter)	HDMI/DVI (VGA with converter)
Network Video Input	IPC/DVR/NVR, etc.	IPC/DVR/NVR, etc.
Video Output	HDMI (VGA & DVI with converter)	HDMI (VGA & DVI with converter)
Intercom	1/1 3.5mm jack (For intercom, reserved)	1/1 3.5mm jack (For intercom, reserved)
Processor	64 bit quad core processor	64 bit quad core processor
Bus	PCI-E	PCI-E, Ethernet
Case	12U 19"	4U 19"
Ethernet	8 RJ-45 ports (10/100/1000M)	6 RJ-45 ports (10/100/1000M), 2 in mainboard and 4 in control board
USB	4 USB2.0	3 USB2.0, 1 USB3.0
Power	AC 100V~127V, 200V~240V	AC100~240V
Control Modes	WEB/Video Platform/Network Keyboard/Pad	WEB/Video Platform/Network Keyboard/Pad
Highlights	8K & H.265 & Smart H.265 decoding; Supports LED solution, fisheye dewarp, and 4K local signal collection	8K & H.265 & Smart H.265 decoding; Supports LED solution, fisheye dewarp, and 4K local signal collection

Decoder

Supports 4K/8K signal decoding and 4K output to ensure an ultra-high definition viewing experience using LCD, DLP or LED video walls.

- Local signal collection
- Flexible image display
- Powerful encoding and decoding capability
- Excellent compatibility

Decoder

Model	NVD0905DH-4I-4K	NVD0405DU-2I-8K
Appearance		
Screen Quantity	9 Screens	4 Screens
Splicing Control Modes	Zoom/Merge/Roam/Overlay	Zoom/Merge/Roam/Overlay
Split Mode	1/4/6/8/9/16/25/36	1/4/6/8/9/16/25/36
Max Decoding	3CH@32MP(25fps)/ 9CH@12MP(15fps)/ 12CH@8MP/48CH@1080P/ 108CH@720P/192CH@D1	2CH@32MP(25fps)/ 7CH@12MP(25fps)/ 10CH@8MP/36CH@1080P/ 72CH@720P/144CH@D1
Local Video Input	2CH HDMI, 2CH DVI-I	2CH HDMI
Network Video Input	IPC/DVR/NVR, etc.	IPC/DVR/NVR, etc.
Video Output	HDMI (DVI with converter)	HDMI (DVI with converter)
Audio Out	HDMI (embedded)	1 3.5mm jack
Alarm In/Out	4/4 (30VDC 1A, 125VAC 0.5A, Relay Output)	8/8 (30VDC 1A, 125VAC 0.5A, Relay Output)
Intercom	1 Pair 3.5mm Jack (reserved)	1 Pair 3.5mm Jack (reserved)
Processor	Embedded processor	Embedded processor
Case	1.5U 19"	1U 19"
Ethernet	2 RJ-45 port (10/100/1000M)	1 RJ-45 10M/100M/1000M
USB	1 USB2.0, 1 USB3.0	2 USB 3.0
Power	AC100~240V, 50Hz~60Hz	DC12V/5A
Control Modes	WEB/Video Platform/Network Keyboard/Pad	WEB/Video Platform/Network Keyboard/Pad
Highlights	8K & H.265 & H.265+ decoding, fisheye dewarp, PC signal collection	8K & H.265 & H.265+ decoding, fisheye dewarp, PC signal collection

Decoder

Model	NVD1205DU-4I-8K	NVD1605DU-4I-8K-2U2H	DHI-NVD2005DU-4I-8K-4H
Appearance			
Screen Quantity	12	16	20
Splicing Control Modes	Zoom/Merge/Roam/Overlay	Zoom/Merge/Roam/Overlay	Zoom/Merge/Roam/Overlay
Split Mode	1/4/6/8/9/16/25/36	1/4/6/8/9/16/25/36	1/4/6/8/9/16/25/36
Max Decoding	6CH@32MP(25fps)/21CH@12MP(25fps)/30CH@8MP/ 108CH@1080P/300CH@D1	8CH@32MP(25fps)/28CH@12MP(25fps)/40CH@8MP/ 144CH@1080P/400CH@D1	10CH@32MP(25fps)/35CH@12MP(25fps)/50CH@8MP/ 180CH@1080P/500CH@D1
Local Video Input	2CH DP, 2CH HDMI	2CH DP, 2CH HDMI	2CH DP, 2CH HDMI
Network Video Input	IPC/DVR/NVR, etc.	IPC/DVR/NVR, etc.	IPC/DVR/NVR, etc.
Video Output	HDMI	HDMI	HDMI
Audio Out	3.5MM	3.5MM	3.5MM
Alarm In/Out	4/4 (30VDC 1A, 125VAC 0.5A, Relay output)	4/4 (30VDC 1A, 125VAC 0.5A, Relay output)	4/4 (30VDC 1A, 125VAC 0.5A, Relay output)
Intercom	1 Pair 3.5mm Jack (Reserved)	1 Pair 3.5mm Jack (Reserved)	1 Pair 3.5mm Jack (Reserved)
Processor	Embedded Processor	Embedded Processor	Embedded Processor
Case	1.5U 19"	1.5U 19"	1.5U 19"
Ethernet	RJ45 (1,000M) x 2, SFP (1,000M) x 2	RJ45 (1,000M) x 2, SFP (1,000M) x 2	RJ45 (1,000M) x 2, SFP (1,000M) x 2
USB	1 USB2.0, 2 USB3.0	1 USB2.0, 2 USB3.0	1 USB2.0, 2 USB3.0
Power	AC 100V~127V, 200V~240V, 50 Hz~60Hz	AC 100V~127V, 200V~240V, 50 Hz~60Hz	AC 100V~127V, 200V~240V, 50 Hz~60Hz
Control Modes	WEB/Video Platform/Network Keyboard/Pad	WEB/Video Platform/Network Keyboard/Pad	WEB/Video Platform/Network Keyboard/Pad
Highlights	8K & H.265 & H.265+ decoding, Fisheye dewarp, PC signal collection	8K & H.265 & H.265+ decoding, Fisheye dewarp, PC signal collection	8K & H.265 & H.265+ decoding, Fisheye dewarp, PC signal collection

Encoding Box

NEB0105HI-4K is an encoding device that can support 1ch DP, 1ch HDMI independent collection interfaces and 4K and H.265 real-time encoding.

- 4K and H.265 real-time encoding
- HDMI and DP collection interfaces
- Redundant power input of two channels: PoE and 12 VDC
- 1-channel HDMI loop output and 1-channel HDMI output

Encoding box

Model	NEB0105HI-4K
Appearance	
Video Input	1 HDMI1.4 (supports DVI with converter), 1 DP
Video Output	1 HDMI2.0 and 1 HDMI loop output
Audio Input	1 HDMI and DP (embedded), 1 3.5mm jack
Encoding Capacity	4096×2160@24fps,3840×2160@30fps, 2560×1440@60fps,1920×1080@60fps, 1280×1024@60fps,1280×960@60fps,1 280×720@60fps,1024×768@60fps
Video Encoding Format	H.265/H.264 (default H.264)
Audio Encoding Format	G.711a
Stream Type	Composite stream, video stream
Protocol	RTSP; Private
Network Port	1 RJ45 10/100/1000M self-adaptive ethernet interface
RS232	1 RS232 (DB9)
USB	1 USB 2.0, 1 USB (reserved)
RS485	1 RS485
Highlights	Supports 1ch DP, 1ch HDMI independent collection interfaces; Supports 4K and H.265 real-time encoding

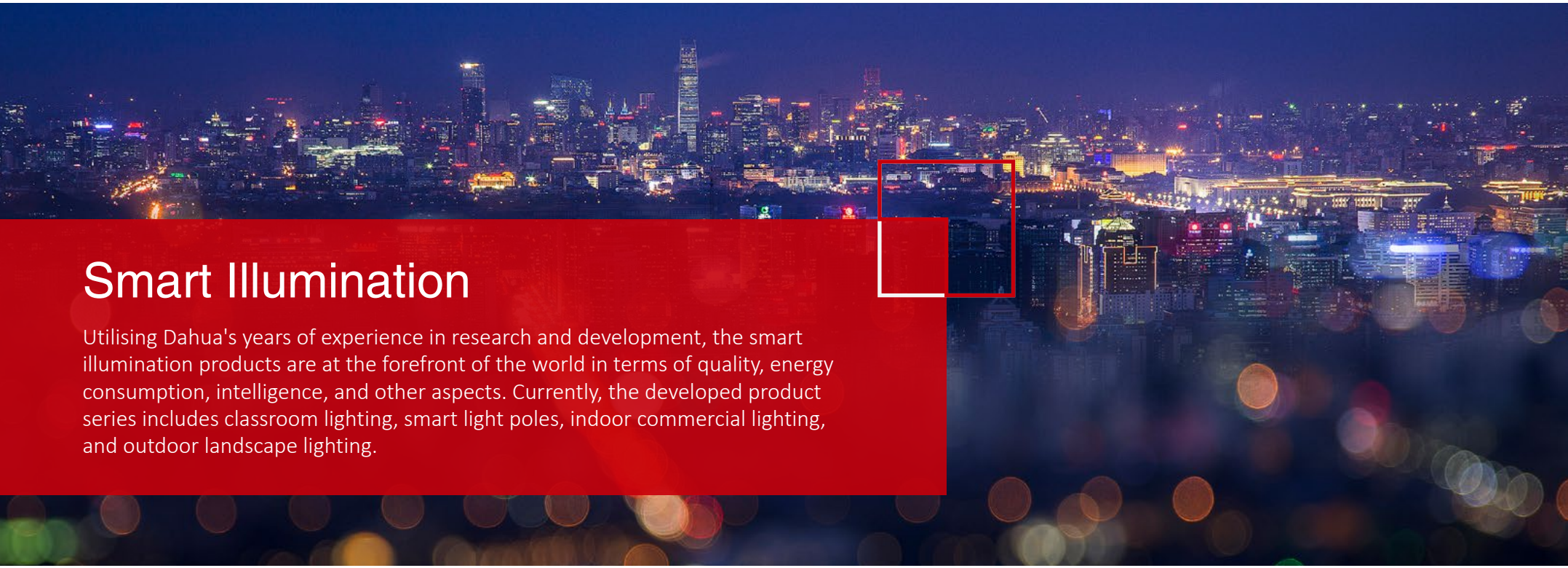
Keyboard

A network keyboard is a control device with joystick that can realize convenient PTZ operation, video wall control, etc.

- Powerful control capability
- Easy connection
- Flexible joystick
- Multiple combination key

Keyboard

Model	NKB1000-E	NKB5200(-F)
Appearance		
Control Mode(s)	Direct mode, Network mode, USB mode	Direct mode, Network mode
Control Interface	1 RJ-45 port (10/100/1000M), RS232, RS485, RS422, USB	1 RJ-45 port (100/1000M), Wi-Fi, RS485
DVR/NVR Protocol	DH2	DH2
Dome Protocol	DH-SD1/PELCO-D/PELCO-P, etc.	DH-SD1/PELCO-D/PELCO-P
Max. Users	64 (including "admin")	32 (All can manage up to 5000 channels via network)
Screen	Monochrome LCD screen (128×64)	10.1" TFT LCD touch screen (1280*800)
Local Split Display Mode	--	1/4/9/16
Video Output	--	1CH HDMI/VGA
Local Decoding	--	1CH@4K/4CH@1080P
Intercom	--	1 Pair (reserved)
Joystick	3-axis (zoom, focus, iris)	4-axis (zoom, focus, iris)
Main Processor	Industrial embedded microprocessor	Six-core processor
Operating System	Embedded LINUX	Android
USB	1 USB2.0	1 USB3.0, 2 USB2.0
Power	DC12V/2A	DC12V, 4A;POE
Highlights	Multi-user access control; Controls DVR, NVR, EVS, Decoder, Matrix; Work with SmartPSS or DSSClient via USB port	All touch screen; 4K & H.265 decoding; Video roaming; Video local display; Scheme preset; Controls NVR, DVR, EVS, Decoder, Matrix, Platform; Local visible control



Smart Illumination

Utilising Dahua's years of experience in research and development, the smart illumination products are at the forefront of the world in terms of quality, energy consumption, intelligence, and other aspects. Currently, the developed product series includes classroom lighting, smart light poles, indoor commercial lighting, and outdoor landscape lighting.

Outdoor Lighting

- Simple, beautiful, lightweight, and sturdy.
- Capable of linkage control and offline control as well as remote control adjustment, with rich and colorful playback content capability.

Underground Parking Lot Lighting

Offers more than 80% effective energy saving.

Education Lighting Eye Protection Lamp

Helps protect students' eyes in classrooms.

Smart Street Lamp

Provides multiple device integration, convenient operation, effective space utilization, intelligent control.

Smart Illumination

	Underground parking lot lighting		Outdoor Lighting		
Model	DH-ICL2L-21B18	DH-IEL1TE-21B18	DH-PHZ5-TZD-9W-RGB -005	DH-PHZ5-XQD-12W-RGBW	DH-PHZ5-XSD-10W-RGB-008
Appearance					
Application Scenario	Underground Parking	Underground Parking	Outdoor	Outdoor	Outdoor
Rated Power (W)	14.4~17.6W	16W±10%	9W/M	12W/M	10W/M
Input Voltage(V)	198-240V	220V-240V	DC24V	DC24V	DC48V
Rated Frequency (Hz)	50/60Hz	50Hz	--	--	--
Power Factor (PF)	0.5	0.5	--	--	--
Drive	Dual terminal power supply	Single-end power supply	Constant voltage drive	Constant voltage drive	Parallel bus control
LED Type	2835	2835	5050	3535/5050	DIP347
Color Temperature	--	--	RGB; RGBW	RGB; RGBW	RGB
Luminous Efficiency (Lm/W)	100Lm/W	100Lm/W	40Lm/W/White	>60Lm/W/White	>25Lm/W/White
Luminous (Lm)	1600Lm	1600Lm	360Lm/White	>720Lm/White	>250Lm/White
Color Rendering Index (Ra)	>80	>80	--	>80	--
SDCM	5SDCM	5SDCM	--	<5	--
Beam Angle	>120°	>120°	≥110°	24°×45°	≥110°
Lighting Materials	Glass	Glass	Aluminum alloy	Aluminium alloy	Extruded aluminum
Color	white	White	Gray/Customizable	Gray/Customizable	Black
Product Size (mm)	ϕ39mm×1198mm	1215×ϕ40mm	1000mm×25mm×23mm	1000mm×25mm×24mm	1000mm×27mm×33.2mm
IP Grade	IP20	IP20	IP66	IP66	IP66
Electric Shock Protection Level	I	I	III	III	III
Operating Temperature	-20°C~!+45°C	-20°C~+45°C	-20°C~+40°C/-20°C~+50°C	-20°C~+40°C/-20°C~+50°C	-20°C~+40°C/-20°C~+50°C
Life Time (L70 @ 25°C)	30000H	30000H	50000H	50000H	50000H
Sensing Distance	Horizontal radius ≥ 2 meters	Horizontal radius ≥ 2 meters	--	--	--
Sensing Angle	120°	120°	--	--	--
Induction Method	Pyroelectric infrared detection	Pyroelectric infrared detection	--	--	--
Communication Protocol	BLE 5.0	BLE 5.0	DMX512	DMX512	DMX512
Blue Light Level	--	--	--	--	--

Smart Illumination

Outdoor Lighting

Model	DH-PHZ5-TG-72W-3000K	DHI-PHZ5-DGY-1W-RGBW-01-003	DHI-PHZ5-DGY-1W-RGBW-01-001	DHI-PHZ5-DGY-1.8W-RGBW-01-001	DHI-PHZ5-DGY-3W-RGBW-01-001	DH-PHZ1-DG1-B0724
Appearance						
Application Scenario	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor
Rated Power (W)	72W	1W±10%	1W±10%	1.8W±10%	3W±10%	0.72W±10%/Pieces
Input Voltage(V)	AC 220~240V	DC12V	DC12V	DC24V	DC24V	DC24V/DC48V
Rated Frequency (Hz)	50/60HZ	--	--	--	--	--
Power Factor (PF)	PF>0.9	--	--	--	--	--
Drive	Constant current drive	Constant voltage drive	Constant voltage drive	Constant voltage drive	Constant voltage drive	Constant voltage drive
LED Type	3535	3535/5050/2835	3535/5050/2835	5050	3535/5050/2835	3535
Color Temperature	RGB	RGB; RGBW	RGB; RGBW	RGBW	RGB; RGBW	RGB; RGBW
Luminous Efficiency (Lm/W)	>70Lm/W/white	>30Lm/W/white	>30Lm/W/white	>50Lm/W/white	>24Lm/W/white	--
Luminous (Lm)	>5000Lm/white	>30Lm/white	>30Lm/white	>90Lm/white	>72Lm/white	--
Color Rendering Index (Ra)	--	>80	>80	>80	>80	>80
SDCM	--	<5	<5	<5	<5	<5
Beam Angle	24°/36°/90°/120°	100°(±10%)	100°(±10%)	75°×115°(±5°)	100°(±10%)	100°(±10%)
Lighting Materials	Die-cast aluminum	PC	PC	PC	PC	PC
Color	Black	Black	Black	Black	Black	White/Black
Product Size (mm)	298×146×91mm	36.2mm×32.5mm×13.6mm	40.0mm×22.5mm×13.2mm	56mm× 33.0mm×15.3mm	50.0mm×43.0mm×13.8mm	23.3mm×20.0mm×11mm
IP Grade	IP66	IP66	IP66	IP66	IP66	IP66
Electric Shock Protection Level	I	III	III	III	III	III
Operating Temperature	-20°C~+40°C/-20°C~+50°C	−25°C ~ +50°C	−25°C ~ +50°C	−25°C ~ +50°C	−25°C ~ +50°C	-40°C~+65°C
Life Time (L70 @ 25°C)	50000H	50000H	50000H	50000H	50000H	50000H
Sensing Distance	--	--	--	--	--	--
Sensing Angle	--	--	--	--	--	--
Induction Method	--	--	--	--	--	--
Communication Protocol	DMX512	DMX512	DMX512	DMX512	DMX512	TTL/DMX512
Blue Light Level	--	--	--	--	--	--

Smart Illumination

Smart Street Lamp

Model	DH-ILP-05-100W	DH-ILP-04	DH-ILP-10-LEDP3	DH-PHZ2-ZH40D-YQZY1	DH-ILP-02-C
Appearance					
Application Scenario	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor
Rated Power (W)	100	5	200	1000	20
Input Voltage(V)	AC220V~240V	AC220V~240V	AC220V~240V	AC220V~240V	AC220V~240V
Rated Frequency (Hz)	--	--	--	--	--
Power Factor (PF)	0.95	0.95	0.95	0.95	0.95
Drive	--	--	--	--	--
LED Type	--	--	--	--	--
Color Temperature	3000K/4000K/5000K	--	RGBW	--	--
Luminous Efficiency (Lm/W)	120lm/W	--	--	--	--
Luminous (Lm)	--	--	--	--	--
Color Rendering Index (Ra)	>70	--	--	--	--
SDCM	<5	--	--	--	--
Beam Angle	Class II	--	--	--	--
Lighting Materials	Metal	PC	Metal	Metal	Metal
Color	White/Black	--	White/Black	White/Black	Black
Product Size (mm)	720*350*300	140*70*45	500*900*180	4.5m*0.7m*0.7m	250*180*180
IP Grade	IP65	IP65	IP65	--	IP65
Electric Shock Protection Level	--	--	--	--	--
Operating Temperature	-20~45°C	-20~45°C	-20~45°C	-20~45°C	-20~45°C
Life Time (L70 @ 25°C)	50000H	--	--	--	--
Sensing Distance	--	--	--	--	--
Sensing Angle	--	--	--	--	--
Induction Method	--	--	--	--	--
Communication Protocol	--	--	--	--	--
Blue Light Level	--	--	--	--	--

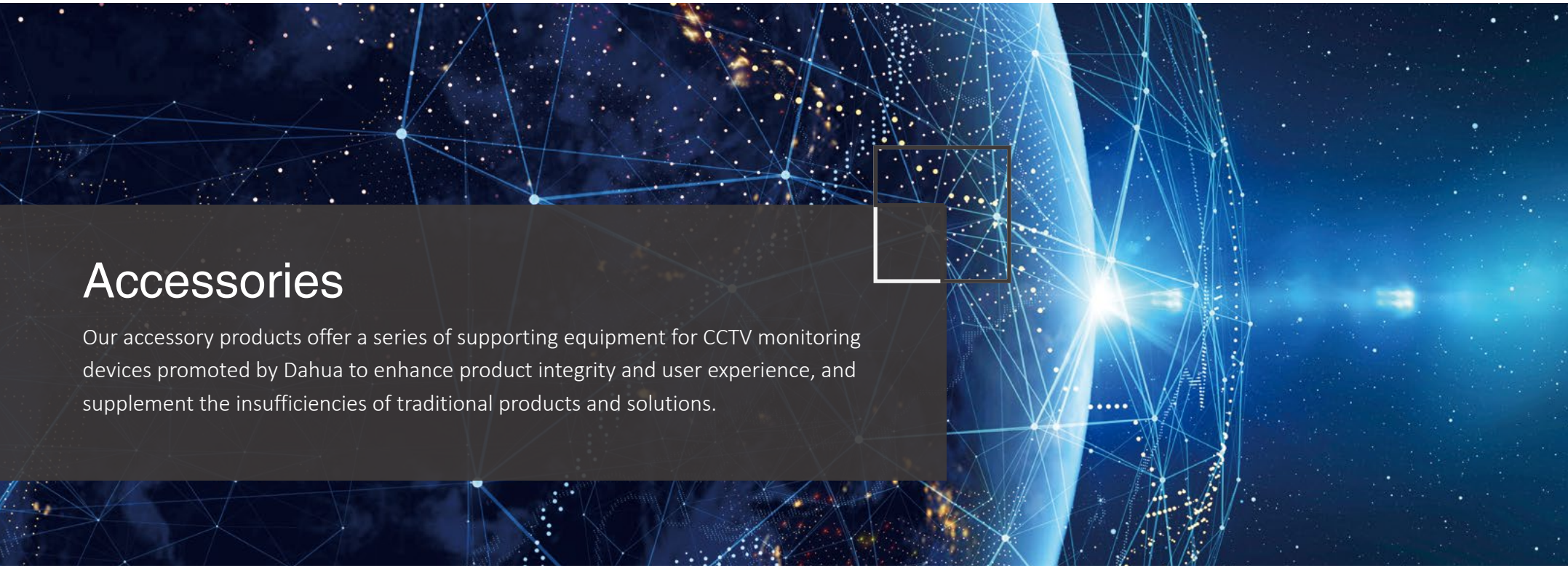
DISPLAY & CONTROL

Smart Illumination

Educational lighting

Model	DHI-PHL-HBYX-040-Y1	DHI-PHL-MBXX-036-S2-HY	DHI-PHL-MBXX-036-S4-HY	DHI-PHL-MBXX-036-S6-HY
Appearance				
Application Scenario	Classroom	Classroom	Classroom	Classroom
Rated Power (W)	40W	36W	36W	36W
Input Voltage(V)	AC220V~240V	AC220V~240V	AC220V~240V	AC220V~240V
Rated Frequency (Hz)	50/60Hz	50/60Hz	50/60Hz	50/60Hz
Power Factor (PF)	0.95	0.95	0.95	0.95
Drive	Constant voltage drive	Constant voltage drive	Constant voltage drive	Constant voltage drive
LED Type	--	--	--	--
Color Temperature	5000±300K	5000±200K	5000±200K	5000±200K
Luminous Efficiency (Lm/W)	>90Lm/W	>90Lm/W	>90Lm/W	>90Lm/W
Luminous (Lm)	>3600Lm	>3200Lm	>3240Lm	>3200Lm
Color Rendering Index (Ra)	>90	>90	>90	>90
SDCM	<5	<5	<5	<5
Beam Angle	--	--	--	--
Lighting Materials	Integrated extruded aluminum	Integrated extruded aluminum	Integrated extruded aluminum	Integrated extruded aluminum
Color	White	White	White	White
Product Size (mm)	1200mm×67mm×42mm	1200mm×300mm×50mm	1200mm×300mm×34mm	595mm×595mm×34mm
IP Grade	IP20	IP20	IP20	IP20
Electric Shock Protection Level	--	--	--	--
Operating Temperature	-20~45°C	-20~45°C	-20~45°C	-20~45°C
Life Time (L70 @ 25°C)	30000H	30000H	30000H	30000H
Sensing Distance	--	--	--	--
Sensing Angle	--	--	--	--
Induction Method	--	--	--	--
Communication Protocol	--	--	--	--
Blue Light Level	RG1	RG0	RG0	RG0

ACCESSORIES



Accessories

Our accessory products offer a series of supporting equipment for CCTV monitoring devices promoted by Dahua to enhance product integrity and user experience, and supplement the insufficiencies of traditional products and solutions.

Camera Mount

Offers a series of solutions for the installation of cameras.

Power Supply

Provides different power supply type for devices with different specifications.

Solar Power

Provides solutions for outdoor monitoring scenarios where wiring is difficult.

Detector & Radar

Realizes real-time trajectory tracking for multiple targets in a wide range.

ACCESSORIES

HFWxxT/T1, HFWxxE-ASE Series		
Model	PFA130-E	PFA130-E+PFA152-E
Mount	Junction box	Pole mount

HFWxxH Series	
Model	PFA154
Mount	Pole mount

HFWxxE(-Z), HFWxxE(-SE) TPC-BF5xx Series		
Model	PFA121	PFA121+PFA156
Mount	Junction box	Pole mount

HFxxE, HFxxF Series			
Model	PFB110W	PFB121W	PFH610V/H/A+PFB604W
Mount	Wall/Ceiling/Plane mount	Wall mount	Housing

HDBWxxR-ASE Series		
Model	PFA137	PFA109+PFB220C
Mount	Junction box	Ceiling mount

HDBWxxH Series					
Model	PFB211W	PFB211W+PFA152-E	PFA101+PFB300C	PFB5202C	PFA773
Mount	Wall mount	Pole mount	Ceiling mount (extensible)	In-ceiling mount	Rain shade

HDBWxxE-Z Series						
Model	PFA138	PFA133-E	PFB211W	PFB211W+PFA152-E	PFA101+PFB300C	PFB5201C
Mount	Junction box	Junction box (20°)	Wall mount	Pole mount	Ceiling mount	In-ceiling mount

ACCESSORIES

PFWxx-A180 Series		
Model	PFA5300R	PFA5300R+PFA157
Mount	Junction mount	Pole mount

PFWxx-A180, HDBWxxF-AS Series				
Model	PFA137	PFB203W	PFB203W+PFA152-E	PFA106+PFB220C
Mount	Junction mount	Wall mount	Pole mount	Ceiling mount

HDBWxxR1 Series				
Model	PFA197R	PFB206W	PFB206W+PFA156	PFA109+PFB220C
Mount	Junction Box	Wall mount	Pole mount	Ceiling mount

HDBWxxR Series						
Model	PFA137	PFB203W	PFB203W+PFA152-E	PFA106+PFB220C	PFB200C	PFA137+PFA200W
Mount	Junction box	Wall mount	Pole mount	Ceiling mount	In-ceiling mount	Rain shade

EWxx Series			
Model	PFB203W	PFB203W+PFA152-E	PFB110W
Mount	Wall mount	Pole mount	Ceiling mount

EBxx,HDBxxC Series			
Model	PFA136	PFB203W	PFB203W+PFA152-E
Mount	Junction box	Wall mount	Pole mount

ACCESSORIES

EBWxx Series				
Model	PFA132-E	PFA100+PFB302S	PFA100+PFB302S+PFA152-E	PFA100+PFB300C
Mount	Junction box	Wall mount	Pole mount	Ceiling mount

HDWxxH,HDWxxT-ZE Series			
Model	PFA130-E	PFB203W	PFB203W+PFA152-E
Mount	Junction box	Wall mount	Pole mount

HDWxxTM Series				
Model	PFA130-E	PFB205W-E	PFB205W-E+PFA152-E	PFA109+PFB220C
Mount	Junction box	Wall mount	Pole mount	Ceiling mount

HDW5xxTM Series			
Model	PFA130-E	PFB204W	PFB204W+PFA152-E
Mount	Junction box	Wall mount	Pole mount

SD8A Series						
Model	PFB306W	PFB310W	PFB306W+PFA120	PFA118+PFB301C	PFA150	PFA151
Mount	Wall mount		Junction box	Ceiling mount	Pole mount	Corner mount

SD6AL/TPC-SD8xx/ TPC-SD56xx Series								
Model	PFA111+PFB303W	PFB310W	PFA111+PFB303W+PFA120	PFA111+PFB300C	PFA150	PFA151	PFA140	PFA111+PFB303S
Mount	Wall mount		Junction box	Ceiling mount	Pole mount	Corner Mount	Power box	Parapet mount

ACCESSORIES

TPC-SDA8xx Series			
Model	PFB7320W	PFB7320W+PFA5500	PFB710C+PFA5500
Mount	Wall mount	Pole mount	Ceiling mount

SD5Axx Series				
Model	PFB305W	PFB305W+PFA150	PFA111+PFB300C	PFA111+PFB300C+PFA150
Mount	Wall mount	Pole mount	Ceiling mount	Pole mount

SD60xx Series	
Model	PFB303W-SL+PFA120-SL
Mount	Wall mount

SDT6Cxx Series								
Model	PFA114+PFB303W	PFB310W	PFA114+PFB303W+PFA120	PFA114+PFB300C	PFA150	PFA151	PFA140	PFA114+PFB303S
Mount	Wall mount		Junction box	Ceiling mount	Pole mount	Corner mount	Power box	Parapet mount

SDT8Cxx Series					
Model	PFA114+PFB5307W	PFA114+PFB301C	PFA114+PFB710C	PFA114+PFB5307W+PFA5500	PFA114+PFB5307W+PFA151
Mount	Wall mount	Ceiling mount		Pole mount	Corner mount

ACCESSORIES

PFW8xx-A180 Series			
Model	PFA120-SG	PFA150-SG	PFA151
Mount	Junction box	Pole mount	Corner mount

HDWxxX Series		
Model	PFB110W	PFA156
Mount	Ceiling mount	Pole mount

MFWxxK1 Series				
Model	PFB603C-SG	PFB605W-SG	PFA162-SG+PFA150-SG	PFB605W-SG+PFA150-SG
Mount	Ceiling mount	Wall mount	Pole mount	Pole mount

PSDW8xx Series		
Model	PFA710+PFB7320W	PFA710+PFB710C
Mount	Wall mount	Ceiling mount

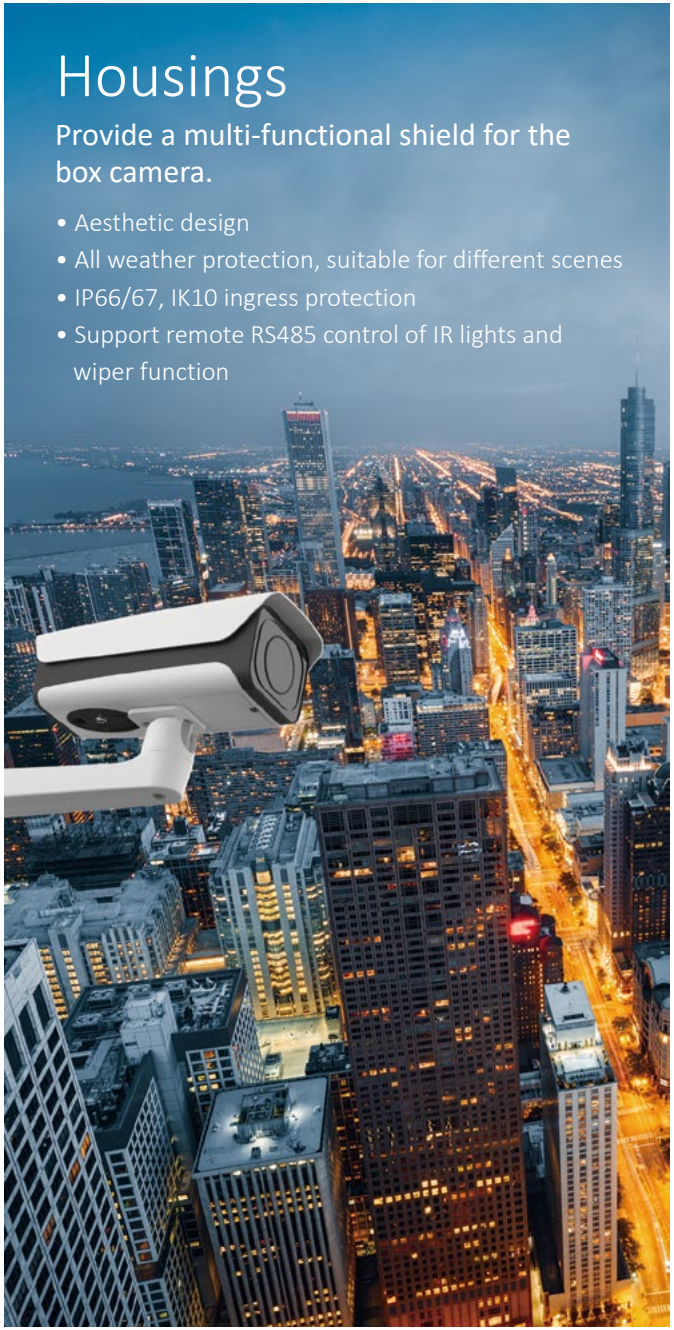
SDT5Xxx, SD8Cxx Series					
Model	PFB300C-S	PFB306W-S	PFB306W-S+PFA150-SG	PFB300C-S+PFA150-SG	PFB306W-S+PFA151
Mount	Ceiling mount	Wall mount	Pole mount	Pole mount	Corner mount

PSDWxx, EBxx-PD Series		
Model	PFA102+PFB303W	PFA102+PFB300C
Mount	Wall mount	Ceiling mount

PDBW5831-B360		
Model	PFA108+PFA111+PFB303W	PFA108+PFA111+PFB300C
Mount	Wall mount	Ceiling mount

PDBW8xx Series		
Model	PFA111+PFB303W	PFA111+PFB300C
Mount	Wall mount	Ceiling mount

ACCESSORIES



Housings

Model	PFH610V	PFH610V-H-POE
Appearance		
Inside Dimension	255x90x83mm (10.04”x3.54”x3.27”)	255x90x70.5mm (10.04”x3.54”x2.78”)
Window Dimension	ϕ60mm (ϕ2.36”)	ϕ60mm (ϕ2.36”)
Wiper	--	--
Vandal-proof	Supported	Supported
Anti-corrosion	--	--
Compatibility	HFxxE, HFxxF	HFxxE, HFxxF
IR Distance	--	--
RS485 Control	--	--
Power Supply	DC12V, AC24V	POE+
Power Consumption	--	12W
Operating Temperature	Set: -30°C ~+60°C (-22°F~+140°F) Heater: N/A Cooler: N/A	Set: -40°C ~+60°C (-40°F~+140°F) Heater: ON: 5±5 °C /OFF: 15±5 °C Cooler: ON: 37±5 °C /OFF: 20±5 °C ON: 5±5 °C /OFF: 15±5 °C
Ingress Protection	IP67	IP67
Vandal Resistance	IK10	IK10
Material	Aluminum (case) & PC (others)	Aluminum (case) & PC (others)
Dimension (LxWxH)	404mmx164mmx132mm (15.91”x6.46”x5.2”)	404mmx164mmx132mm (15.91”x6.46”x5.2”)
Certification	CE, FCC, ICES	CE, FCC

Housings

Model	PFH610V-IR-POE	PFH610A	PFH610A-H-POE	PFH610A-IR-POE	PFH610A-IR-W-POE	PFH610N-IR-W-POE
Appearance						
Inside Dimension	255×90×70.5mm (10.04”×3.54”×2.78”) 215×90×83mm (8.46”×3.54”×3.27”)	255×90×83mm (10.04”×3.54”×3.27”)	255×90×70.5mm (10.04”×3.54”×2.78”) 215×90×83mm (8.46”×3.54”×3.27”)	255×90×70.5mm (10.04”×3.54”×2.78”) 215×90×83mm (8.46”×3.54”×3.27”)	255mmx90mmx70.5mm (10.04”x3.54”x2.78”) 215mmx90mmx83mm (8.46”x3.54”x3.27”)	255mmx90mmx70.5mm (10.04”x3.54”x2.78”) 215mmx90mmx83mm (8.46”x3.54”x3.27”)
Window Dimension	ϕ60mm (ϕ2.36”)	ϕ60mm (ϕ2.36”)	ϕ60mm (ϕ2.36”)	ϕ60mm (ϕ2.36”)	ϕ59.4mm (ϕ2.36”)	ϕ60mm (ϕ2.36”)
Wiper	--	--	--	--	Supported	Supported
Vandal-proof	Supported	--	Supported	Supported	--	--
Anti-corrosion	--	Supported	Supported	Supported	Supported	--
Compatibility	HFxxE, HFxxF	HFxxE, HFxxF	HFxxE, HFxxF	HFxxE, HFxxF	HFxxE, HFxxF	HFxxE, HFxxF
IR Distance	0~100m (0~328.08ft)	--	--	0~100m (0~328.08ft)	0~100m (0~328.08ft)	0~100m (0~328.08ft)
RS485 Control	Uses RS484 to control IR light	--	--	Supported	Uses RS485 to control IR light & wiper	Uses RS485 to control IR light & wiper
Power Supply	POE+	DC12V, AC24V	POE+	POE+	POE+	POE+
Power Consumption	12.5W	--	12W	12.5W	16 W (without camera)	16 W (without camera)
Operating Temperature	Set: -40°C ~+60°C(-40°F~+140°F) Heater: ON: <+5°C(+41°F)/ OFF: ≥+5°C(+41°F) Cooler: ON: ≥37°C(98.6°F)/ OFF: <20°C(68°F)	Set: -30°C~+60°C(-22°F~+140°F) Heater: ON: N/A Cooler: ON: N/A	Set: -40°C~+60°C(-40°F~+140°F) Heater: ON: 5±5°C /OFF: 15±5°C Cooler: ON: 37±5°C /OFF: 20±5°C ON: 5±5°C /OFF: 15±5°C	Set: -40°C ~+60°C(-40°F~+140°F) Heater: ON: <+5°C(+41°F)/ OFF: +5°C(+41°F) Cooler: ON: ≥37°C(98.6°F)/ OFF: <20°C(68°F)	Set: -40°C~+60°C (-40°F~+140°F) Heater: ON: 5±5 °C/OFF: 15±5 °C Cooler: ON: 37±5°C/OFF: 20±5°C ON: 5±5 °C/OFF: 15±5°C	Set: -40°C~+60°C (-40°F~+140°F) Heater: ON: 5±5 °C/OFF: 15±5 °C Cooler: ON: 37±5°C/OFF: 20±5°C ON: 5±5 °C/OFF: 15±5°C
Ingress Protection	IP67	IP67	IP67	IP67	IP66	IP66
Vandal Resistance	IK10	IK10	IK10	IK10	--	--
Material	Aluminum (case) & PC (others)	Aluminum (case) & PC (others)	Aluminum (case) & PC (others)	Aluminum (case) & PC (others)	Aluminum (case) & PC (others)	Aluminum (case) & PC (others)
Dimension (LxWxH)	404mm×164mm×132mm (15.91”×6.46”×5.2”)	404mm×164mm×132mm (15.91”×6.46”×5.2”)	404mm×164mm×132mm (15.91”×6.46”×5.2”)	404mm×164mm×132mm (15.91”×6.46”×5.2”)	447mm × 24mm × 234mm (17.60" × 9.45" × 9.21")	447mm × 24mm × 234mm (17.60" × 9.45" × 9.21")
Certification	CE, FCC, ICES	CE, FCC, ICES	CE, FCC	CE, FCC, ICES	CE, FCC	CE, FCC

ACCESSORIES

Lens

Model	PFL2712-E6D	PFL0550-E6D	PLZ20C0-D	PLZ21C0-D	PFL1575-A12D
Appearance					
Image Format	1/2.7"	1/2.7"	1/1.7"	1/1.7"	1/1.7"
Focal Length	2.7-12mm	5-50mm	3.7-16mm	10.5-42mm	15-75mm
Lens Pixel	6MP	6MP	12MP	12MP	12MP
Aperture	F1.6	F1.6	F1.5	F1.5	F1.5
Mount	CS	CS	CS	CS	C
Focus Control	Manual	Manual	Manual	Manual	Manual
Zoom Control	Manual	Manual	Manual	Manual	Manual
Iris Control	DC-iris	DC-iris	DC-iris	DC-iris	DC-iris
IR Correction	Supported (420~850nm)	Supported	Supported	Supported	Supported
M.O.D.	0.3m (0.98ft)	0.5m (1.64ft)	0.5m (1.64ft)	0.3m (0.98ft)	1.5m (4.92ft)
Operating Temperature	-30°C+70°C (-22°F~+158°F)	-30°C~+70°C (-22°F~+158°F)	-30°C+70°C (-22°F~+158°F)	-30°C+70°C (-22°F~+158°F)	-30°C~+70°C (-22°F~+158°F)

Lens

Model	PLZ20C0-P	PLZ21C0-P	PFL010542-A12PE	PFL1040-K9PE	PFL1640-L12PE
Appearance					
Image Format	1/1.7"	1/1.7"	1/1.7"	1"	1.1"
Focal Length	3.7-16mm	10.5-42mm	10.5-42mm	10-40mm	16-40mm
Lens Pixel	12MP	12MP	12MP	9MP	12MP
Aperture	F1.5	F1.5	F1.5	F1.5	F1.4
Mount	CS	CS	CS	C	C
Focus Control	Manual	Manual	Motorized	Motorized	Motorized
Zoom Control	Manual	Manual	Motorized	Motorized	Motorized
Iris Control	P-iris	P-iris	P-Iris	P-Iris	P-Iris
IR Correction	Supported	Supported	Supported	--	Supported
M.O.D.	0.5m (1.64ft)	0.3m (0.98ft)	1m (3.28 ft)	2.5m (8.2ft)	1.5m (4.92 ft) (W)-2.5m (8.20 ft) (T)
Operating Temperature	-30°C~+70°C (-22°F~+158°F)	-30°C~+70°C (-22°F~+158°F)	-30°C~+70°C (-22°F~+158°F)	-30°C~+70°C (-22°F~+158°F)	-30°C~+70°C (-22°F~+158°F)

Camera Testers

It allows easier testing of cameras that only requires a single person to operate, saving significant amount of time and labor costs.

- Camera video tester
- Small tools: DMM/Wifi test/OPM/Data monitor
- Cable tester: TDR/Analog video generator
- Power supply: PoE+/DC12V2A/USB5V2A output

Camera Testers

Model	PFM900-E	PFM906-E	PFM907-E
Appearance			
Operation System	Linux	Android	Linux
Language	Multi-language interface	Multi-language interface	Multi-language interface
Operation Mode	Keyboard	Touch screen and keyboard	Touch screen and keyboard
Screen	4.0" TFT screen, 800×480 resolution	7 inch capacitive touch screen display, 1920×1080 resolution	7 inch capacitive touch screen display, 1920×1200 resolution
Update	Online and local update	Online and local update	Online and local update
Analog Video Test	HDCV: 1/2/4/5/6/8MP HDTVI: 1/2/4/5MP AHD:1/2/4MP CVBS: PAL/NTSC	HDCVI: 2MP@25/30fps, 4MP@25/30fps, 5MP@20fps, 6MP@20fps, 4K@12.5/15/25/30fps HDTVI: 2MP@25/30fps, 4MP@25/30fps AHD: 2MP@25fps/30fps, 4MP@25fps/30fps CVBS: NTSC, PAL	HDCV: 1/2/4/5/6/8MP HDTVI: 1/2/4/5/8MP AHD:1/2/4/8MP CVBS: PAL/NTSC
IPC Test	Discover the device, real-time video, camera configuration, PTZ test, discover ONVIF device	Discover the device, real-time video, camera configuration, PTZ test, discover ONVIF device	Discover the device, real-time video, camera configuration, PTZ test, discover ONVIF device
Camera Power Supply	DC12V/2A output	DC12V/2A output	DC12V/2A output
RS485	Receive and display protocol data with a RS485 cable	Captures and analyzes the command data from controlling device via RS485	Captures and analyzes the command data from controlling device via RS485
PTZ Control test	OSD menu display and PTZ control	OSD menu display and PTZ control	OSD menu display and PTZ control
Accessibility	Audio Test, TDR Test, Digital Multimeter, POE Test, UTC	Audio Test, TDR Test, Digital Multimeter, Optical Power Meter, HDMI- IN/OUTPUT, POE Test, UTC	Audio Test, TDR Test, Digital Multimeter, Optical Power Meter, HDMI- IN/OUTPUT, POE Test, UTC
Charger	PoE 48V/0.32A	DC 12V	DC 12V/1.5A
Working Temperature	-10°C~+55°C (+14°F~+131°F)	-10°C~+55°C (14°F~+131°F)	-10°C~+55°C (+14°F~+131°F)

Distribution Boxes

With various functional modes, these distribution boxes are designed for simultaneous power management in monitored outdoor environment.

- Basic outdoor protection function, waterproof and anti-theft
- Reserve standard 3.5" guide rail installation position
- Pole mount and wall mount
- Aesthetic design, easy installation

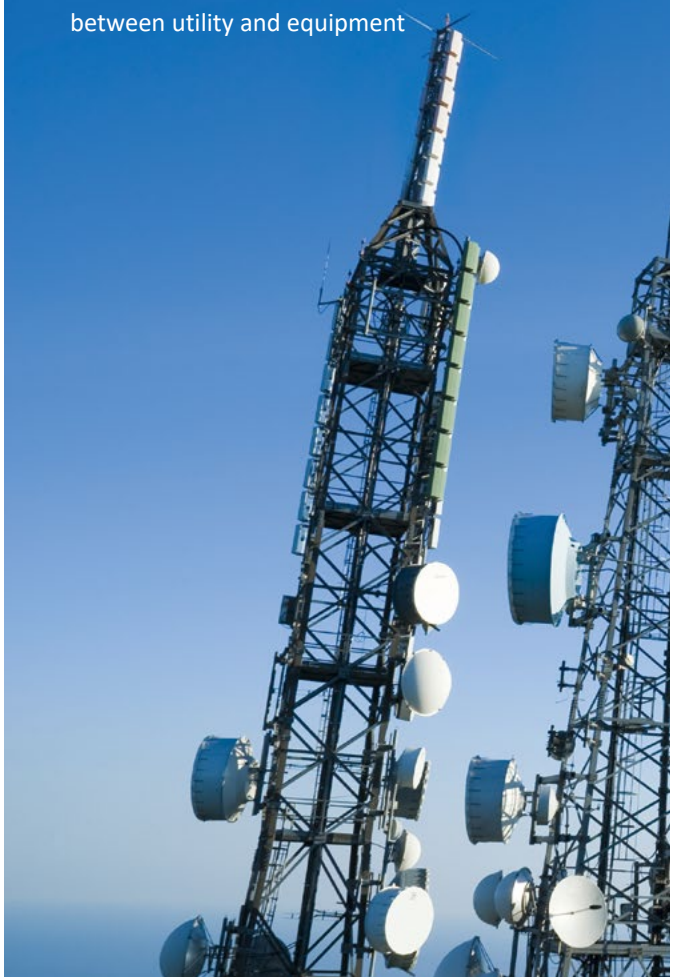
Distribution Boxes

Model	PFA143	PFM377	PFC102F	PFC701W-A
Appearance				
Protection	IP66	IP54	IP54	IP55
Material	Aluminum & SECC	SUS201	SPCC	SUS201
Dimensions	450mmx365mmx191mm (17.72”×14.37”×7.52”)	600mmx400mmx226mm (23.62”×15.75”×8.9”)	590 mm × 480 mm × 327 mm (23.23" × 18.90" × 12.87")	500mm×292.8mm×650mm (19.68”x11.52”x25.59”)
Weight	9kg (19.84lb)	14kg (30.86lb)	23.5 kg(51.81 lb)	18kg(39.68lb)
Compatibility	External: PTZ Camera, Bullet Camera, CPE, Illuminator Internal: Switch, MNVR, Switch Power, Breaker, Lightning Protector, Fan	Switch, MNVR, Switch Power, Breaker, Lightning Protector, Fan	External: PTZ Camera, Bullet Camera, CPE, Illuminator Internal: Switch, MNVR, Switch Power, Breaker, Lightning Protector, Fan	External: Bullet Camera, CPE, Illuminator Internal: Breaker, Socket, Water Tank, Pump, LED Light Lightning Protector, Fan

Power Supply

Safe and reliable power supply for our products.

- DC power adapter: Wide temperature operation range of -30℃~+70℃ and lightning protection up to 4KV
- UPS: Temporary power discharge equipment between utility and equipment



DC Power Adapter

Model	PFM320-010	PFM320-020	PFM301	PFM302
Appearance				
Input	AC100~240V	AC100~240V	AC180~240V	AC180~240V
Output	DC12V,1A	DC12V,2A	DC12V,2A	DC12V,2A
Working Temperature	0°C~+40°C (32°F~+104°F)	0°C~+40°C (32°F~+104°F)	0°C~+40°C (32°F~+104°F)	0°C~+40°C (32°F~+104°F)
Surge Protection	Common Mode ±4KV Differential Mode ±2kV	Common Mode ±4KV Differential Mode ±2kV	Common Mode ±4KV Differential Mode ±2kV	Common Mode ±4KV Differential Mode ±2kV

DC Power Adapter

Model	PFM321D-EN/BS/US	PFM320D-EN/BS/US	PFM321-EN/BS/US	PFM320D-015	PFM300
Appearance					
Input	AC100~240V, 50/60Hz, 0.5A	AC100~240V, 50/60Hz, 0.6A	AC90~264V	AC100~240V, 50/60Hz, 0.6A	AC180~264V, 50/60Hz, 0.6A
Output	DC12V(+7%,-3%), 1A	DC12V(+7% ,-3%), 2A	DC12V(+7%,-3%), 1A	DC12V (+7%,-3%), 1.5A	DC12V (±5%), 2A
Working Temperature	-30°C~+70°C (-22°F~+158°F)	-30°C~+70°C (-22°F~+158°F)	-10°C~+55°C (+14°F~+131°F)	-30°C~+70°C (-22°F~+158°F)	-30°C~+70°C (-22°F~+158°F)
Surge Protection	Common Mode ±4KV (12 ohms) Differential Mode ±2kV (2 ohms)	Common Mode ±4KV (12 ohms) Differential Mode ±2kV (2 ohms)	Common Mode ±4KV (12 ohms) Differential Mode ±2kV (2 ohms)	Common Mode ±4KV (12 ohms) Differential Mode ±2kV (2 ohms)	Common Mode ±4KV (12 ohms) Differential Mode ±2kV (2 ohms)

Distributed Power Box

Model	PFM340-5CH	PFM341-9CH	PFM342-9CH	PFM343-19CH
Appearance				
Input	AC90~264V	AC90~264V	AC90~264V	AC90~264V
Output	5 x 12VDC (-3%~+7%), 4A	9 x 12VDC (-3%~+7%), 5A	9 x 12VDC (-3%~+7%), 10A	19 x 12VDC (-3%~+7%), 20A
Working Temperature	-20°C~+45°C (-4°F~+113°F)	-20°C~+45°C (-4°F~+113°F)	-20°C~+45°Cm (-4°F~+113°F)	-20°C~+45°C (-4°F~+113°F)
Surge Protection	Line to ground: 4000V Line to line: 2000V	Line to ground: 4000V Line to line: 2000V	Line to ground: 4000V Line to line: 2000V	Line to ground: 4000V Line to line: 2000V

ACCESSORIES

Switching Power

Model	PFM344D-4CH	PFM344D-8CH	PFM320S-150	PFM320S-50
Appearance				
Input	AC185~240V	AC185~240V	AC88~132V/AC176~264V	AC90~264V
Output	Normal: DC12V Long: DC13.5V Ex-Long: DC15V Single 12W, total 30W	Normal: DC12V Long: DC13.5V Ex-Long: DC15V Single 12W, total 60W	DC12V, 12.5A	DC12V, 4.2A
Working Temperature	0°C~+40°C (32 °F~+104 °F)	0°C~+40°C (32 °F~+104 °F)	-20°C~+50°C (60% output at+70°C)	-20°C~+50°C (60% output at+70°C)
Surge Protection	Line to ground: ±4000V Line to line: ±2000V	Line to ground: ±4000V Line to line: ±2000V	Line to ground: ±2000V Line to line: ±1000V	Line to ground: ±2000V Line to line: ±1000V

UPS

Model	PFM350-360	PFM350-900
Appearance		
Capacity	600VA/360W	1500VA/900W
Input Voltage	220Vac~240Vac 110Vac~120Vac (US)	220Vac~240Vac 110Vac~120Vac (US)
Power Factor	0.6	0.6
Output Voltage	220/230/240 Vac 110/120 Vac (US)	220/230/240 Vac 110/120 Vac (US)
Transfer Time	2-6ms	2-6ms
Battery Type & Number	12 V/7 Ah × 1	12 V/9 Ah × 2
Protection	Overload, discharge and overcharge protection	Overload, discharge and overcharge protection
Operating Temperature	0°C~+40°C (32°F~+104°F)	0°C~+40°C (32°F~+104°F)
Dimensions	279mm×101mm×142mm (10.98"×3.98"×5.59")	320mm×130mm×182mm (15.6"×5.12×7.17")
Weight	4.25kg (9.37lb)	10.4kg (22.93lb)

Solar Power

Dahua solar power system provides convenient and stable power supply for front-end monitoring equipment.

- Free combination; high flexibility
- Solar energy; short construction period
- Wireless transmission; easy wiring
- Client status real-time monitoring reduces maintenance costs

Integrated Solar Monitoring System

Model	PFM378-B100-WB	PFM378-B125-CB	PFM3620LS-D1B60	PFM3640LS-D1B100
Appearance				
Solar Panel Type	Monocrystalline silicon	Monocrystalline silicon	Monocrystalline silicon	Monocrystalline silicon
System Control	MPPT	MPPT	PWM	PWM
System Max. Power	100W	125W	60W	100W
Solar Cell Efficiency	21%	21%	19%	19%
System IP Rating	IP65	IP65	IP66	IP66
Installation	Supports wall mount or pole mount	Supports wall mount or pole mount	Supports pole mount	Supports pole mount
Output Voltage	12 VDC	12 VDC	11.1 VDC	11.1 VDC
Battery Type	--	--	Lithium ternary	Lithium ternary
Battery Nominal Capacity	--	--	20Ah	40Ah
Battery Max. Charging Current	--	--	10A	10A
Battery Upper Limit of Charging Voltage	--	--	DC12.6V	DC12.6V
Operating Altitude	< 3000 m	< 3000 m	< 3000 m	< 3000 m
Operating Temperature	-30 °C~+60 °C (-22 °F~+140 °F)	-30 °C~+60 °C (-22 °F~+140 °F)	-20 °C~+50 °C (-4 °F~+122 °F)	-20 °C~+50 °C (-4 °F~+122 °F)
Dimensions	815.0mm×846.8mm×893.3mm (32.1"×33.3"× 35.2")	965.0mm×910.5mm×786.4mm (37.99"×35.85"× 30.96")	580.0mm×480.0mm×190.0mm (22.83"×18.90"× 7.48")	785.0mm×630.0mm×190.0mm (30.91"×24.80"× 7.48")
Net Weight	20.1kg(44.31 lb)	20.56kg (45.33 lb)	7.7kg (16.98 lb)	12.5kg (27.58 lb)

ACCESSORIES

Lithium Battery

Model	PFM372-L45-4S14P
Appearance	
Nominal Capacity	45Ah
Charging Current	9A
Discharge Current	9A
Charging Voltage	Max.DC14.6V
Rated Voltage	DC12.8V
Internal Resistance	≤80mΩ
Max. Current	Charging: 10A, Discharging: 10A
Material	Die casting aluminum
IP Rating	IP66
Operating Temperature	Charge: -20 °C to +45 °C (-4 °F to +113 °F) Discharge: -20 °C to +60 °C (-4 °F to +140 °F)
Product Dimensions	Outer: 359.8×268.7×116.0mm
Net Weight	8.5 kg (18.74 lb)

Solar Panel

Model	PFM371-M120	PFM371-M180	PFM371-M275
Appearance			
Max. Power (Pmax)	120Wp	180Wp	275Wp
Max. Power Point Voltage (Vmp)	19.6 V	32.66 V	32.66 V
Max. Power Point Current (Imp)	6.12 A	5.51 A	8.42 A
Efficiency of Battery Piece	18.30%	18.34%	19.29%
Operating Temperature	-40°C~+85°C (-40°F~+140°F)	-40°C~+85°C (-40°F~+140°F)	-40°C~+85°C (-40°F~+140°F)

Solar Power Distribution Boxes

Model	PFM377-D2440	PFM377-D4830	PFM377-D4860
Appearance			
Compatibility	Includes MPPT controller, lightning arrester, DC circuit breaker, etc.	Includes MPPT controller, lightning arrester, DC circuit breaker, etc.	Includes MPPT controller, lightning arrester, DC circuit breaker, etc.
Controller Type	MPPT	MPPT	MPPT
System Voltage	12VDC/24VDC Auto	12VDC/24VDC/48VDC Auto	12VDC/24VDC/36VDC/ 48VDC Auto
Max. Battery Voltage	9VDC~70VDC	9VDC~70VDC	9VDC~70VDC
Rated Charging Current	40A	30A	60A
Rated Load Current	20A	20A	20A
Max. Capacitive Load Capacity	10000μF	10000μF	10000μF
Max. Input Open Voltage of Solar Panels	100V (25°C); 90V (-25°C)	150V (25°C); 135V (-25°C)	150V (25°C); 145V (-25°C)
Max. Input Power of Solar Panel	550W/12VDC; 1100W/24VDC	400W/12VDC; 800W/24VDC; 1200W/36VDC; 1600W/48VDC	800W/12VDC; 1600W/24VDC; 2400W/36VDC; 3200W/48VDC

	Storage Batteries			Mounting Brackets of Solar Panels	
Model	DC12-100	DC12-150	DC12-200	PFM376-F	PFM376-G
Appearance					
Description	DC12V gel battery Capacity (25°C/77°F, 10hr): 100Ah Max. Charging Current: 20A (0.2C) Max. Discharging Current: 1000A (5 s)	DC12V gel battery Capacity (25°C/77°F, 10hr): 150Ah Max. Charging Current: 30A (0.2C) Max. Discharging Current: 1500A (5 s)	DC12V gel battery Capacity (25°C/77°F, 10hr): 200Ah Max. Charging Current: 40A (0.2C) Max. Discharging Current: 2000A (5 s)	Mounting Bracket of PFM371-M120 (2 pcs) or PFM371-M180 (2 pcs) Pole Diameter: 150 mm~220 mm	Mounting Bracket of PFM371-M275 (2 pcs) Pole Diameter: 150 mm~220 mm

	Battery Box	Inverter			
Model	PFM374-H400	NTS-300-212UN	NTS-300-248UN	NTS-450-224UN	NTS-450-248UN
Appearance					
Description	Solar Battery Storage Box, max. 2 batteries in 1 box	300W power Inverter, Rated Input:DC12V Max. Input Voltage:DC16.5V Output: 200/220/230/240Vac selectable via settings button	300W power Inverter, Rated Input:DC48V Max. Input Voltage:DC66V Output: 200/220/230/240Vac selectable via settings button	450W power Inverter, Rated Input:DC24V Max. Input Voltage:DC33V Output: 200/220/230/240Vac selectable via settings button	450W power Inverter, Rated Input:DC48V Max. Input Voltage:DC66V Output: 200/220/230/240Vac selectable via settings button

Security Radar

Security radar is usually used for perimeter or area detection using its smart-tracking function with PTZ cameras.

- 24/7 all-weather and all-environment detection
- High accuracy; low false alarm rate, zero false negative rate
- Real-time trajectory tracking; graded alarm set
- Movement tracking display; target filtering (human and vehicle)
- Centralized platform management

Security Radar

Model	PFR4K-E50	PFR4K-E120	PFR4Q-E120
Appearance			
Max. Number of Targets	64	64	64
Detection Distance	50.0 m (164.04 ft)	120.0 m (393.70 ft)	120.0 m (393.70 ft)
Detection Angle	Horizontal: 120°, Vertical: 36°	Horizontal: 120°, Vertical: 36°	Horizontal: 120°, Vertical: 26°
Max. Detection Speed	40 km/h, continuous trajectory	40 km/h, continuous trajectory	108km/h, continuous trajectory
Min. Detection Speed	0.17 m/s, continuous trajectory	0.17 m/s, continuous trajectory	0.6km/h, continuous trajectory
Distance Accuracy	± 1 m (± 3.28 ft)	± 1.5 m (± 4.92 ft)	± 1.5 m (± 4.92 ft)
Angle Accuracy	± 1°	± 1°	± 1°
Max. Number of Areas	10	10	25
Modulation Type	FMCW	FMCW	FMCW
Scan Frequency	10 Hz	10 Hz	10 Hz
Operating Frequency	24 GHz	24 GHz	61 GHz
Detection Target Type	Human and vehicle	Human and vehicle	Human and vehicle
Number of PTZ Camera	Web: 3, DSS Pro: 8	Web: 3, DSS Pro: 8	Web: 3, DSS Pro: 8
Radar+PTZ Smart Tracking	Web & DSS Pro	Web & DSS Pro	Web & DSS Pro
Track Mode	Tour, distance priority, and time priority	Tour, distance priority, and time priority	Tour, distance priority, and time priority
Region Setting	Alarm area, pre-warning area, and shield area	Alarm area, pre-warning area, and shield area	Alarm area, pre-warningarea, and shield area
Target Filtering	Human and vehicle filtering	Human and vehicle filtering	Human and vehicle filtering
Record Mode	Manual record, scheduled record, and alarm record Record priority: Manual>Alarm>Scheduled	Manual record, scheduled record, and alarm record Record priority: Manual>Alarm>Scheduled	Manual record, scheduled record, and alarm record Record priority: Manual>Alarm>Scheduled
Restore to Factory Default	Restore default settings with one click	Restore default settings with one click	Restore default settings with one click
Map Encoding	Supported	Supported	Supported
Power Supply	DC 12V (±30%), AC 24V (±30%), PoE (802.3at)	DC 12V (±30%), AC 24V (±30%), PoE (802.4at)	DC 12V (±30%), AC 24V (±30%), PoE (802.3at)

Security Radar

Model	PFR4K-D300	PFR4K-D450	PFR4K-B240	PFR7C-D1K5	PFR7C-D3K
Appearance					
Max. Number of Targets	32	32	32	200	200
Detection Distance	300.0 m (984.25 ft)	450.0 m (1476.38 ft)	240 m (787.40 ft)	Human: 1.5 km (0.93 mi) Vehicle: 3 km (1.86 mi)	Human: 3 km (1.86 mi) Vehicle: 5 km (3.11 mi)
Detection Angle	Horizontal: 90°, Vertical: 13°	Horizontal: 90°, Vertical: 13°	Horizontal: 20°, Vertical: 13°	Horizontal: 90°, Vertical: 24°	Horizontal: 90°, Vertical: 12°
Max. Detection Speed	80 km/h, continuous trajectory	80 km/h, continuous trajectory	Radial: 80 km/h; Crossing: 36 km/h	100 km/h (62.14 mi/h)	100 km/h (62.14 mi/h)
Min. Detection Speed	1.8 km/h, continuous trajectory	1.8 km/h, continuous trajectory	0.18 km/h	1.8 km/h (1.12 mi/h)	1.8 km/h (1.12 mi/h)
Distance Accuracy	± 1.5 m (± 4.92 ft)	± 1.5 m (± 4.92 ft)	± 1.5 m (± 4.92 ft)	≤ 10 m (32.81 ft)	≤ 10 m (32.81 ft)
Angle Accuracy	± 1°	± 1°	± 1°	≤ 1°	≤ 1°
Max. Number of Areas	10	10	10	--	--
Modulation Type	FMCW	FMCW	FMCW	Phased array	Phased array
Scan Frequency	8 Hz	8 Hz	8 Hz	≥ 1 Hz	≥ 1 Hz
Operating Frequency	24 GHz	24 GHz	24 GHz	C-band	C-band
Detection Target Type	Human and vehicle	Human and vehicle	Human and vehicle	Human and vehicle	Human and vehicle
Number of PTZ Camera	Web: 3, DSS Pro: 8	Web: 3, DSS Pro: 8	Web: 3, DSS Pro: 8	Web: 3, DSS Pro: 8	Web: 3, DSS Pro: 8
Radar+PTZ Smart Tracking	Web & DSS Pro	Web & DSS Pro	Web & DSS Pro	Web & DSS Pro	Web & DSS Pro
Track Mode	Tour, distance priority, and time priority	Tour, distance priority, and time priority	Tour, distance priority, and time priority	Tour, distance priority, and time priority	Tour, distance priority, and time priority
Region Setting	Alarm area, pre-warning area, and shield area	Alarm area, pre-warning area, and shield area	Alarm area, pre-warning area, and shield area	Alarm area, pre-warning area, and shield area	Alarm area, pre-warning area, and shield area
Target Filtering	Human and vehicle filtering	Human and vehicle filtering	Human and vehicle filtering	Human and vehicle filtering	Human and vehicle filtering
Record Mode	Manual record, scheduled record, and alarm record Record priority: Manual>Alarm>Scheduled	Manual record, scheduled record, and alarm record Record priority: Manual>Alarm>Scheduled	Manual record, scheduled record, and alarm record Record priority: Manual>Alarm>Scheduled	Manual record, scheduled record, and alarm record Record priority: Manual>Alarm>Scheduled	Manual record, scheduled record, and alarm record Record priority: Manual>Alarm>Scheduled
Restore to Factory Default	Restore default settings with one click	Restore default settings with one click	Restore default settings with one click	Restore default settings with one click	Restore default settings with one click
Map Encoding	Supported	Supported	Supported	Supported	Supported
Power Supply	DC 12V (±30%), AC 24V (±30%), PoE (802.5at)	DC 12V (±30%), AC 24V (±30%), PoE (802.6at)	DC 12V (±30%), AC 24V (±30%), PoE (802.3at)	9-36 VDC	9-36 VDC

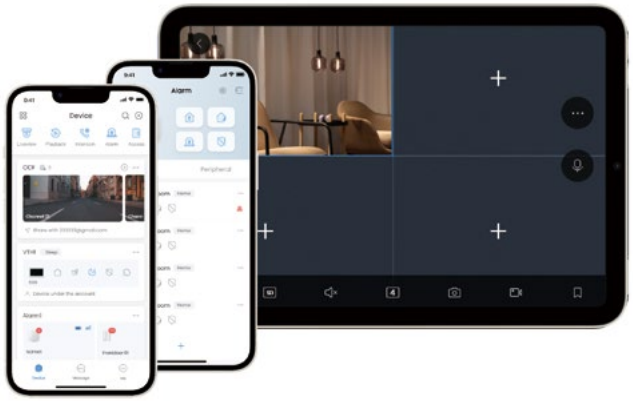
VIDEO MANAGEMENT SOFTWARE

DSS Products

	Model	DSS Express (Free Version)	DSS Express (License Version)	DSS Professional	DSS4004-S2	DSS7016D (R)-S2
	Appearance					
Deployment	OS	Windows	Windows	Windows	Linux	Linux
	Form	Software	Software	Software	All-in-One	All-in-One
	Type of Deployment	Single-server	Single-server	Distribute and Multi-sites	Single-server	Distribute
	Hot Standby	--	--	Supported	--	Supported
	N+M	--	--	Supported	--	Supported
Performance	Number of Camera Per Server	64 devices; 64 channels	256 devices; 256 channels	1,000 devices; 2,000 channels	256 devices; 256 channels	500 devices; 1,000 channels
	Number of FR Per Server	8 devices; 8 channels	8 devices; 8 channels	100 devices; 500 channels	8 devices; 32 channels	20 devices; 100 channels
	Number of ANPR Per Server	8 (4 channels for entrance)	8 (4 channels for entrance)	500 (60 channels for entrance)	32 (6 channels for entrance)	100 (16 channels for entrance)
	Number of Video Metadata Per Server	8 channels	8 channels	500 channels	32 channels	100 channels
	Users	10 online users and 50 total users	10 online users and 50 total users	500 online users and 2,500 total users	10 online users and 50 total users	50 online users and 200 total users
	Microsoft Active Directory	--	--	Supported	--	Supported
	Video Input or Output Per Server	200Mbps	200Mbps	600Mbps	350Mbps	600Mbps
	Video Storage Bandwidth Per Server	100Mbps	100Mbps	600Mbps	150Mbps	600Mbps
	Central Storage Position	Local Server	Local Server	Local Server and IPSAN	Local Server and IPSAN	Local Server and IPSAN
	Maximum Capacity per Storage Server	7 Days or 2TB	2 TB	400 TB	100 TB	200 TB
Features	Live View	Supported	Supported	Supported	Supported	Supported
	Record Playback	Supported	Supported	Supported	Supported	Supported
	Video Wall	--	Supported (Only NVD)	Supported	Supported	Supported
	Google Map	--	--	Supported	--	Supported
	Event Center	Supported	Supported	Supported	Supported	Supported
	DeepXplore	Supported	Supported	Supported	Supported	Supported
	Track Generation	--	--	Supported	--	Supported
	Case Bank	--	--	Supported	--	--
	Maintenance Center	--	--	Supported	--	Supported

* For more detailed parameters, please refer to DSS products datasheet.

DMSS



Digital Mobile Surveillance System

Monitor anything using your smartphone or tablet anytime, anywhere.

iOS 10.0 and above

Android 5.0 and above

DMSS	Digital Mobile Surveillance System	Security at Fingertips
Devices	Supported Devices	XVR, NVR, IPC, PTZ, VTO, DoorBell, Access Controller, Alarm Hub, Accessory (PIR, siren, door detector, etc.)
	Max. Devices Recommended to Add	1024
	Add Device Method	IP/Domain, SN/Scan, LAN Search, Wired, Wireless (smartconfig, soft AP)
	Features	Live and Playback, Alarm push, Device Sharing, Export Device, Time Zone, Cloud Update, Remote Configeration
Video	Compression Format	H.265 / H.264 / MPEG-4 / JPEG
	Display Resolution	Up to 1920-1080
Live	Split Live View	Display in 1, 4, 9, 16 views
	Features	Snapshot, Video Recording, Playback, Play/Pause, Mute/Unmute, Orientation/Landscape, Video Stream, Two-way Audio, Favorite, PTZ Control, White Light/Buzzer, Fisheye, Wiper, Alarm Message, Unlock the Door, etc.
Playback	Video Playback Duration	24h
	Features	Snapshot, Video Recording, Play/Pause, Mute/Unmute, Orientation/Landscape, Clip, Play slowly/Play fast, Timebar, Frame-in-frame
Alarm Push Notificationh	Alarm Type	Motion Detection, SMD, Instrusion Alarm, Tripwire Alarm, Scene Changing, Video Mask, Disk Alarm (no disk, low space, disk error), Object Detection, Face Alarm, IPC Offline, License Plate Recognition, Missing Object, Temperature Alarm, Fast Moving, Defocus, Local Alarm, Crowd Alarm, Network Alarm, Fire Alarm, Smoking Alarm, Phone Call, etc.
	Push Type	Alarm Video, Preview, Message, Video Call

DORI DISTANCE (D/O/R/I)

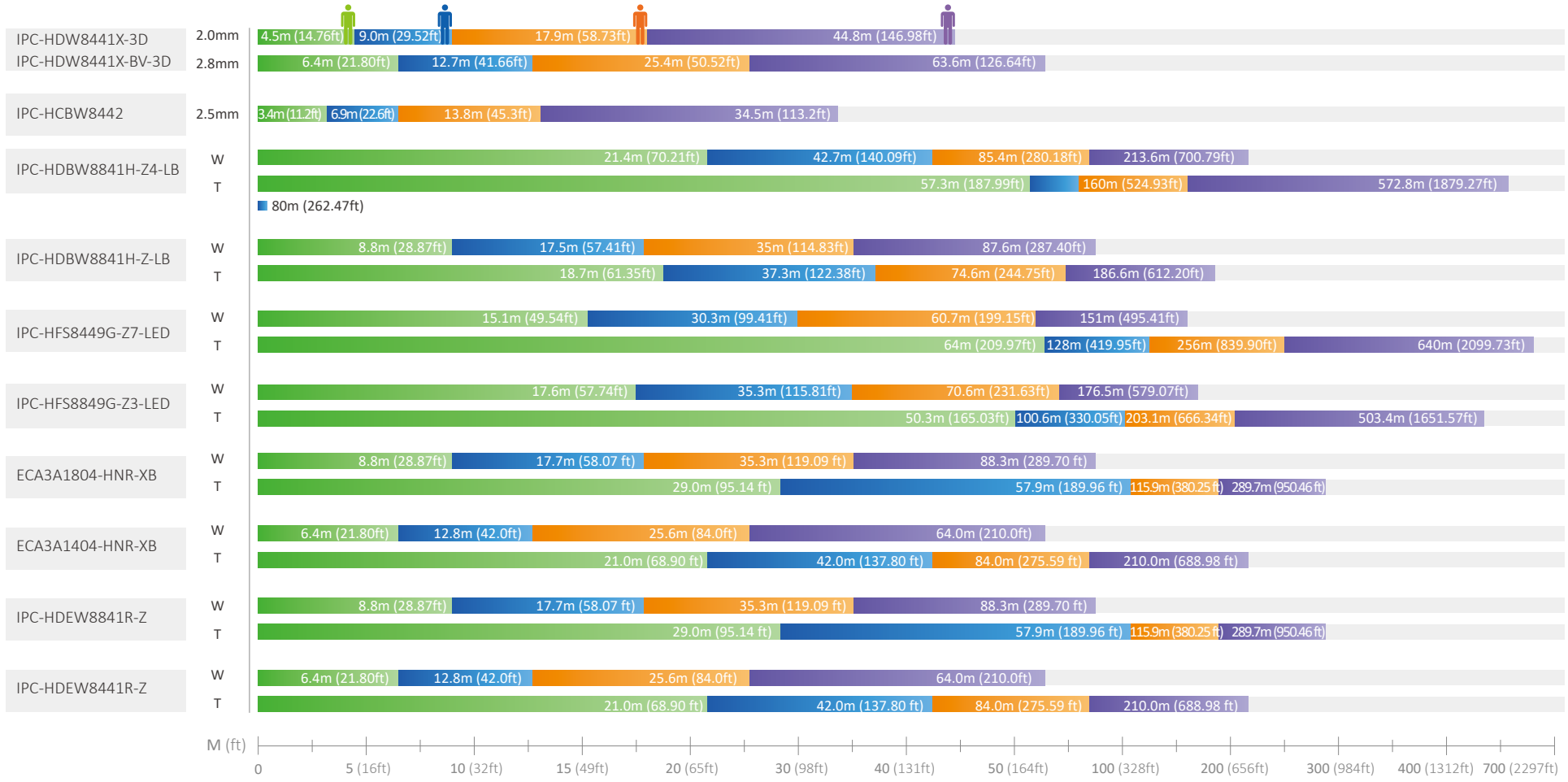
Find the Optimal Camera for Your Customized Surveillance Needs

DORI (Detect, Observe, Recognize, Identify) is a standard system (EN-62676-4) for defining the ability of a person viewing the video to distinguish persons or objects within a covered area.
The numbers in this table do not reflect intelligent function distances. For intelligent function distances, refer to installation and commissioning manual/project design tool.

- Detect: 25ppm
- Observe: 63ppm
- Recognize: 125ppm
- Identify: 250ppm

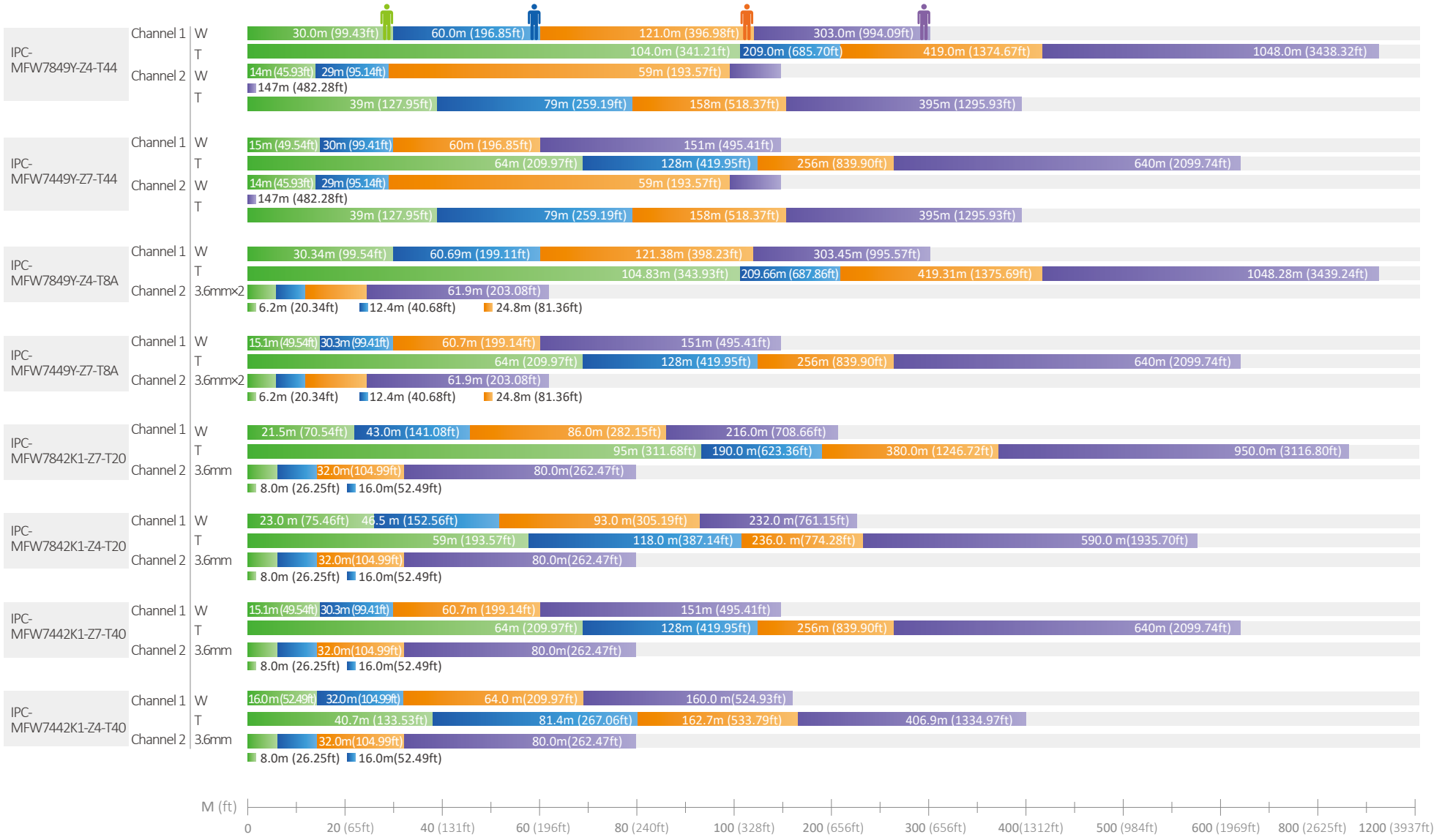
NETWORK CAMERAS

WizMind 8 Series



NETWORK CAMERAS

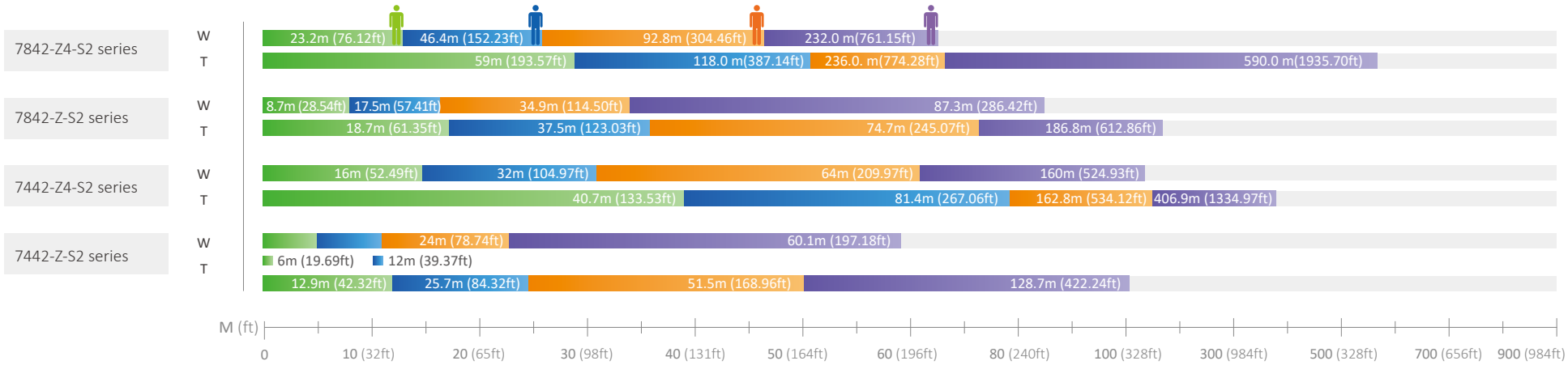
WizMind 7 Series



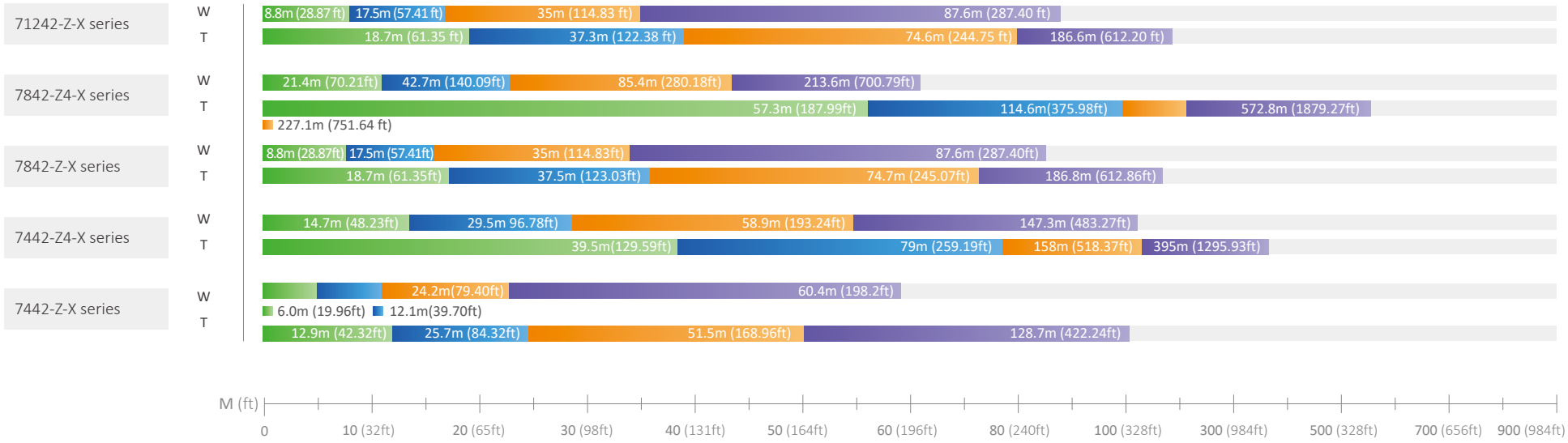
DORI DISTANCE (D/O/R/I)

NETWORK CAMERAS

WizMind 7 Series

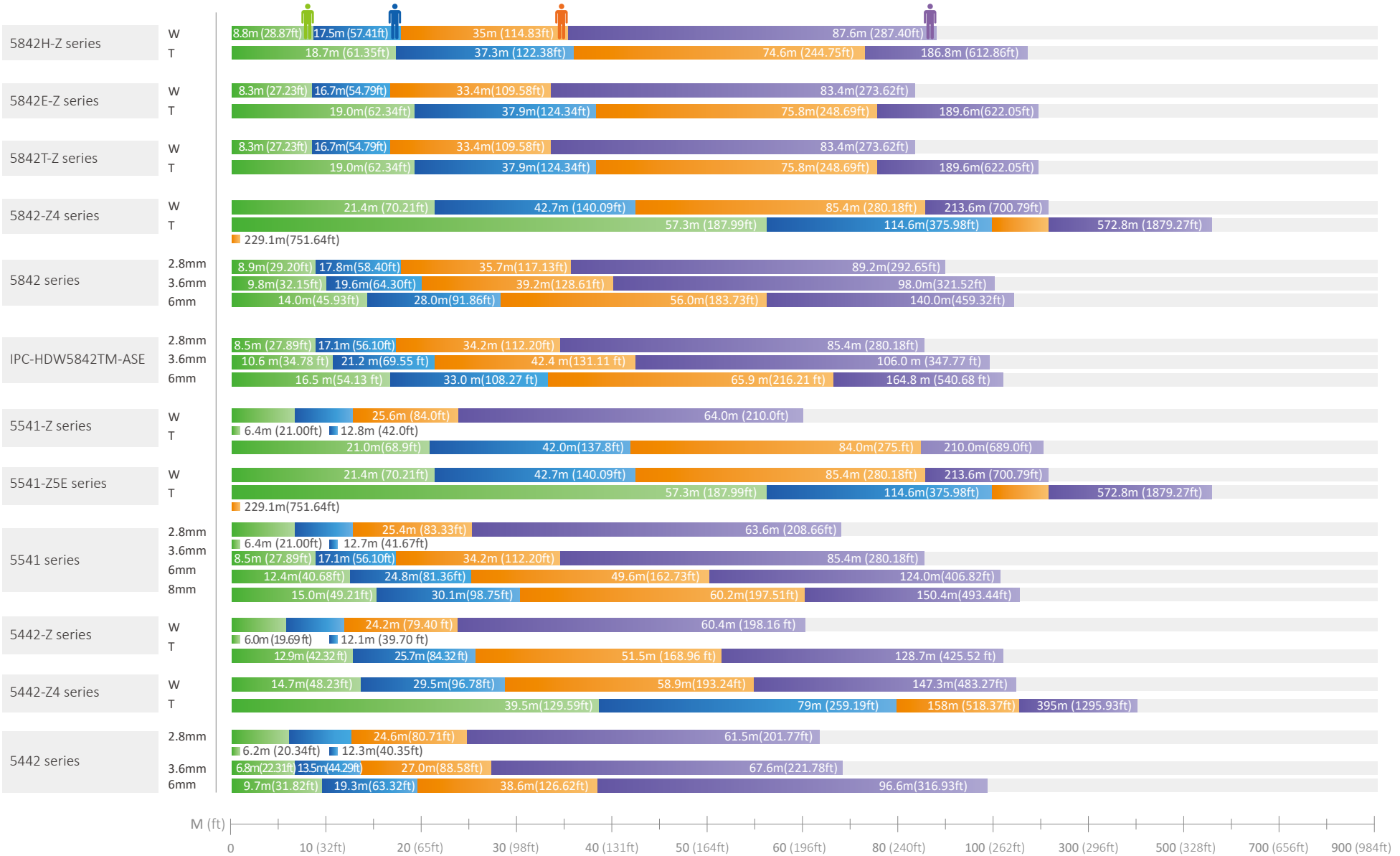


WizMind X Series



NETWORK CAMERAS

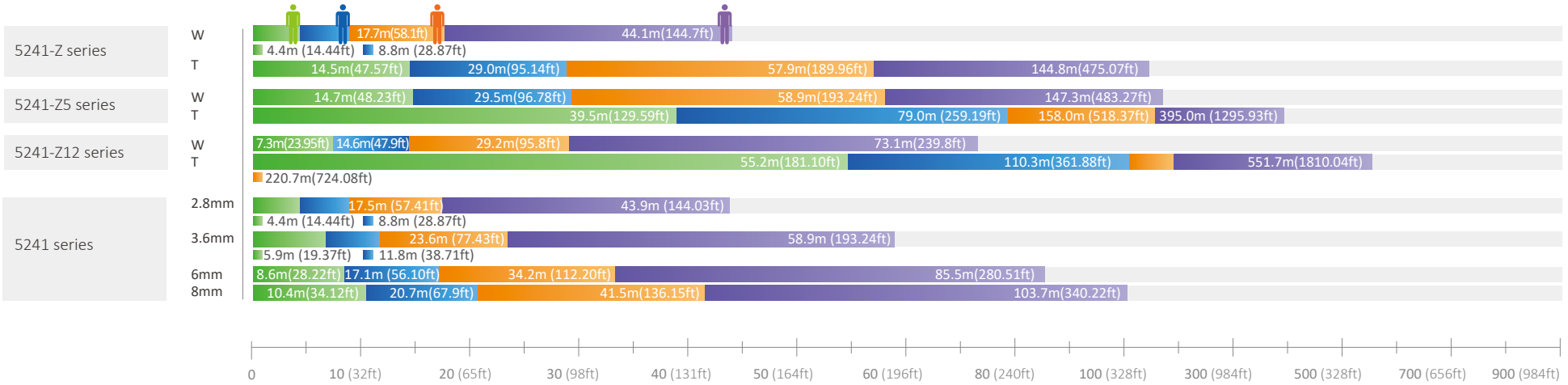
WizMind S Series



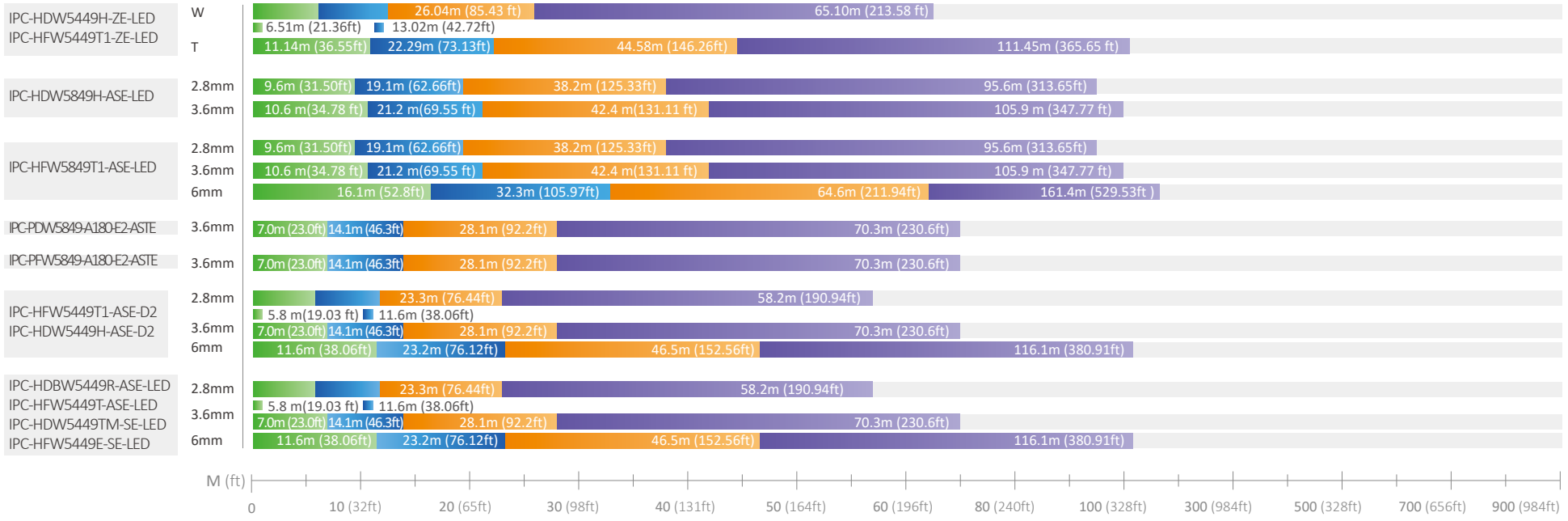
DORI DISTANCE (D/O/R/I)

NETWORK CAMERAS

WizMind S Series



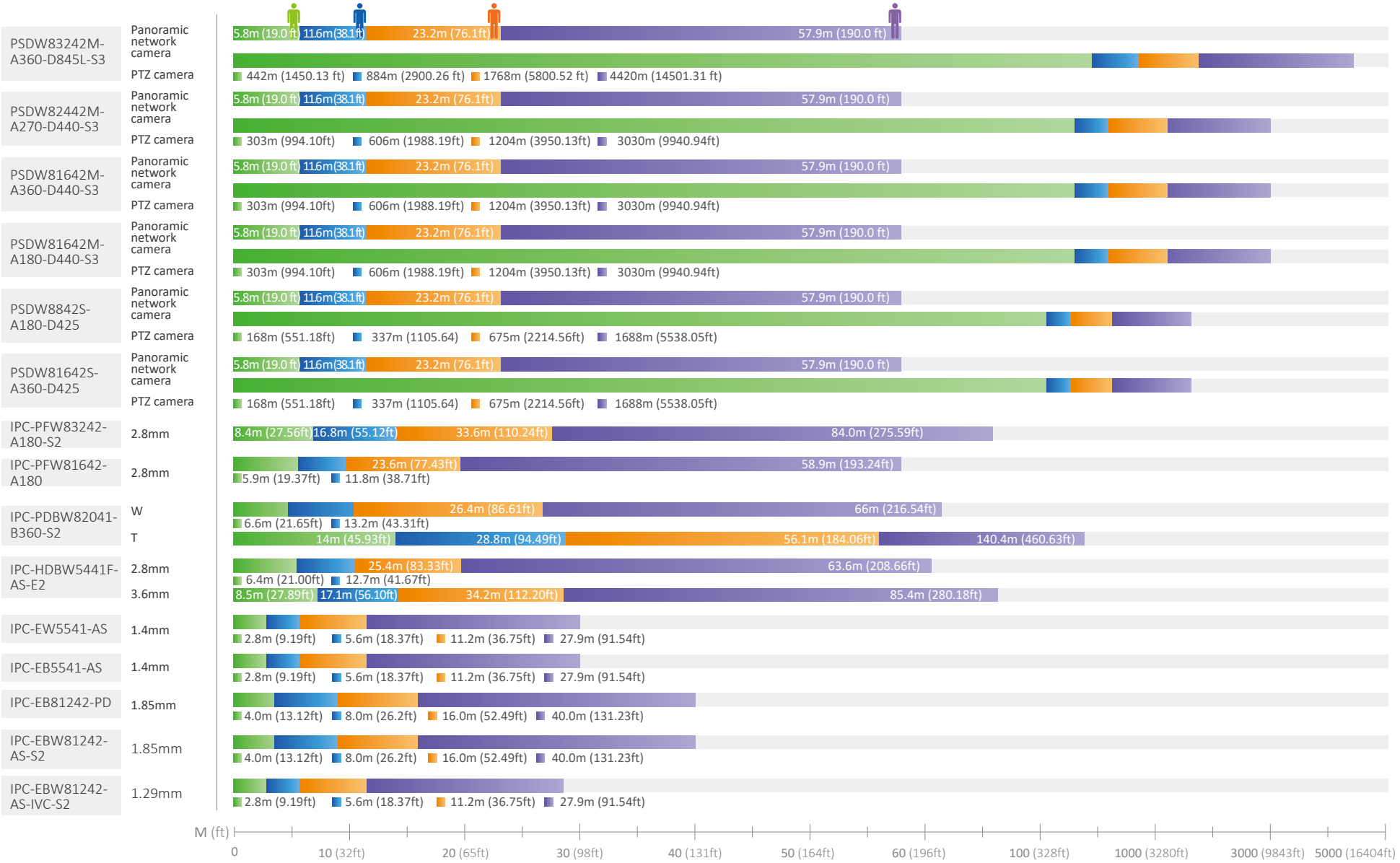
WizMind Full-color Series



DORI DISTANCE (D/O/R/I)

NETWORK CAMERAS

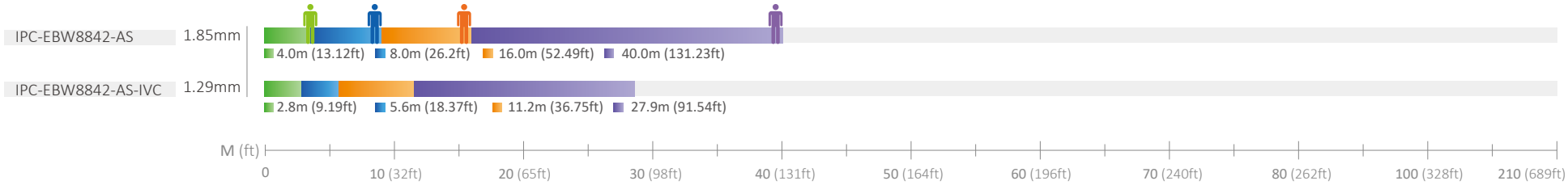
Panoramic Series



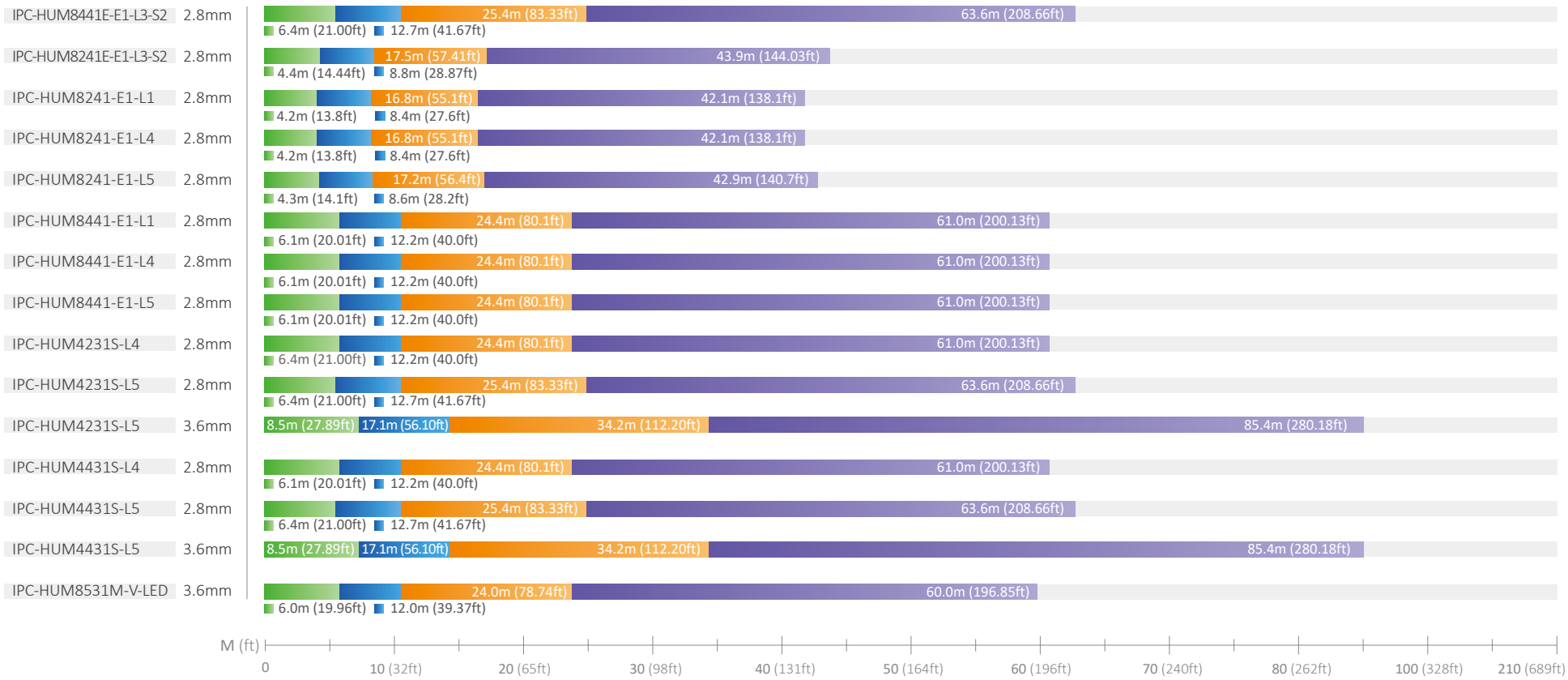
DORI DISTANCE (D/O/R/I)

NETWORK CAMERAS

Panoramic Series



Special Series



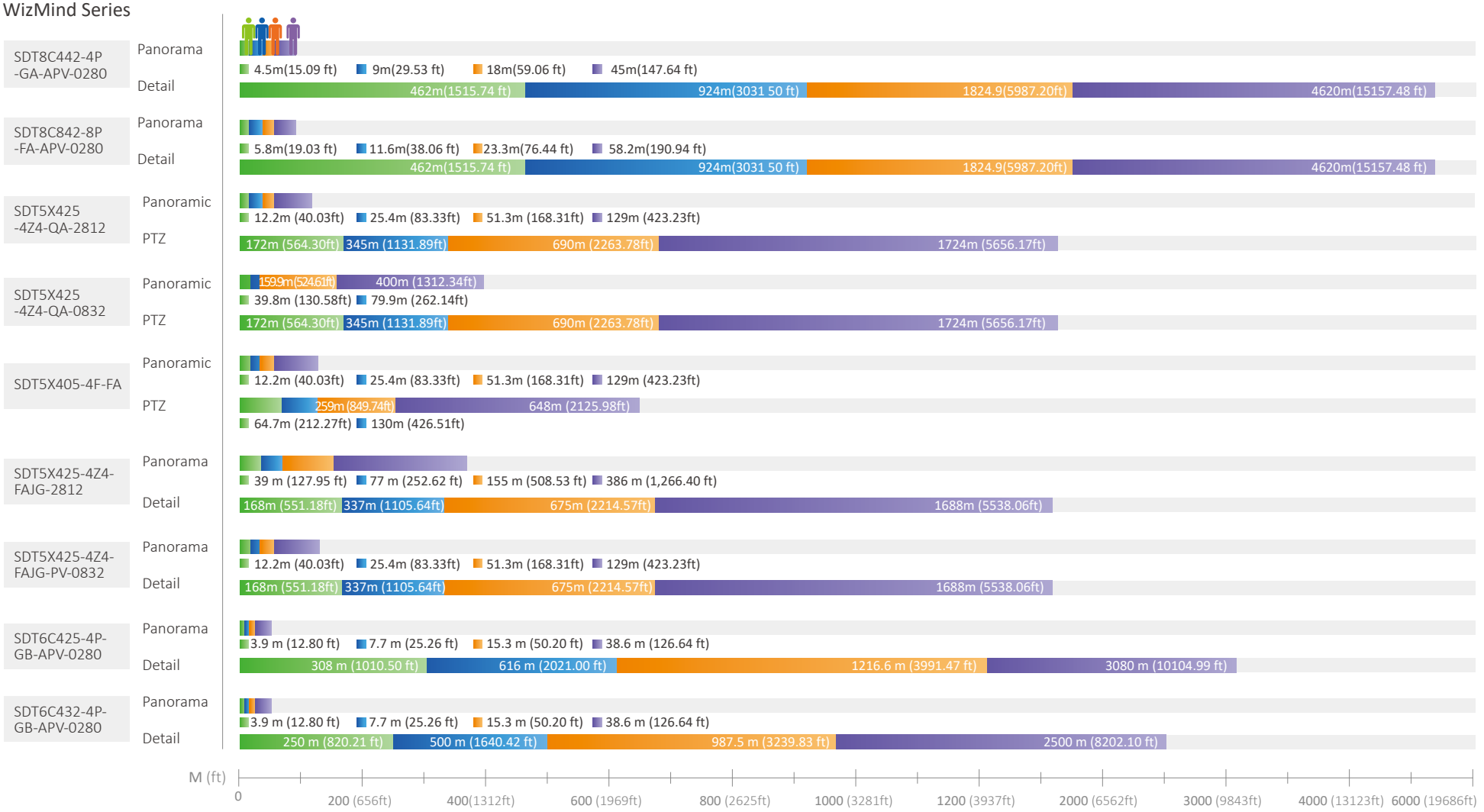
DORI DISTANCE (D/O/R/I)

Find the Optimal Camera for Your Customized Surveillance Needs

DORI (Detect, Observe, Recognize, Identify) is a standard system (EN-62676-4) for defining the ability of a person viewing the video to distinguish persons or objects within a covered area.
The numbers in this table do not reflect intelligent function distances. For intelligent function distances, refer to installation and commissioning manual/project design tool.

NETWORK PTZ CAMERAS

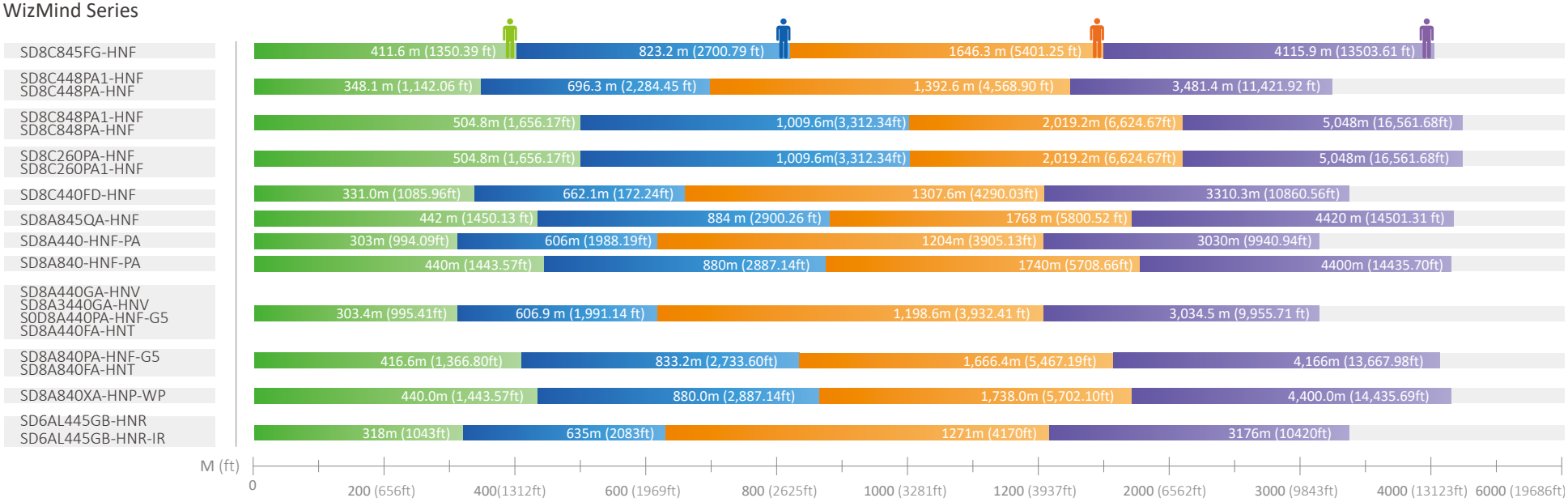
WizMind Series



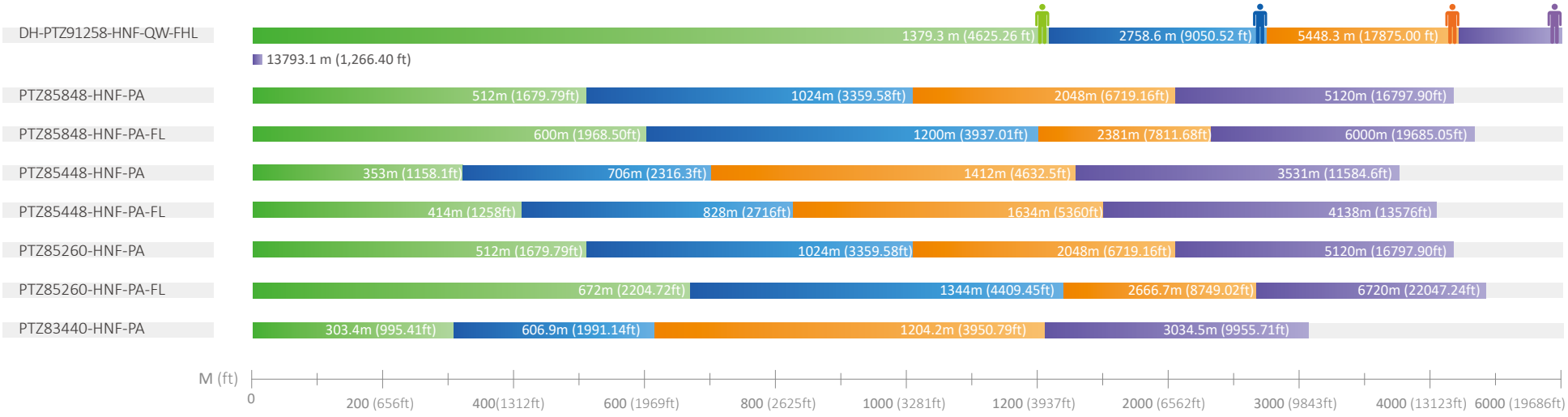
DORI DISTANCE (D/O/R/I)

NETWORK PTZ CAMERAS

WizMind Series

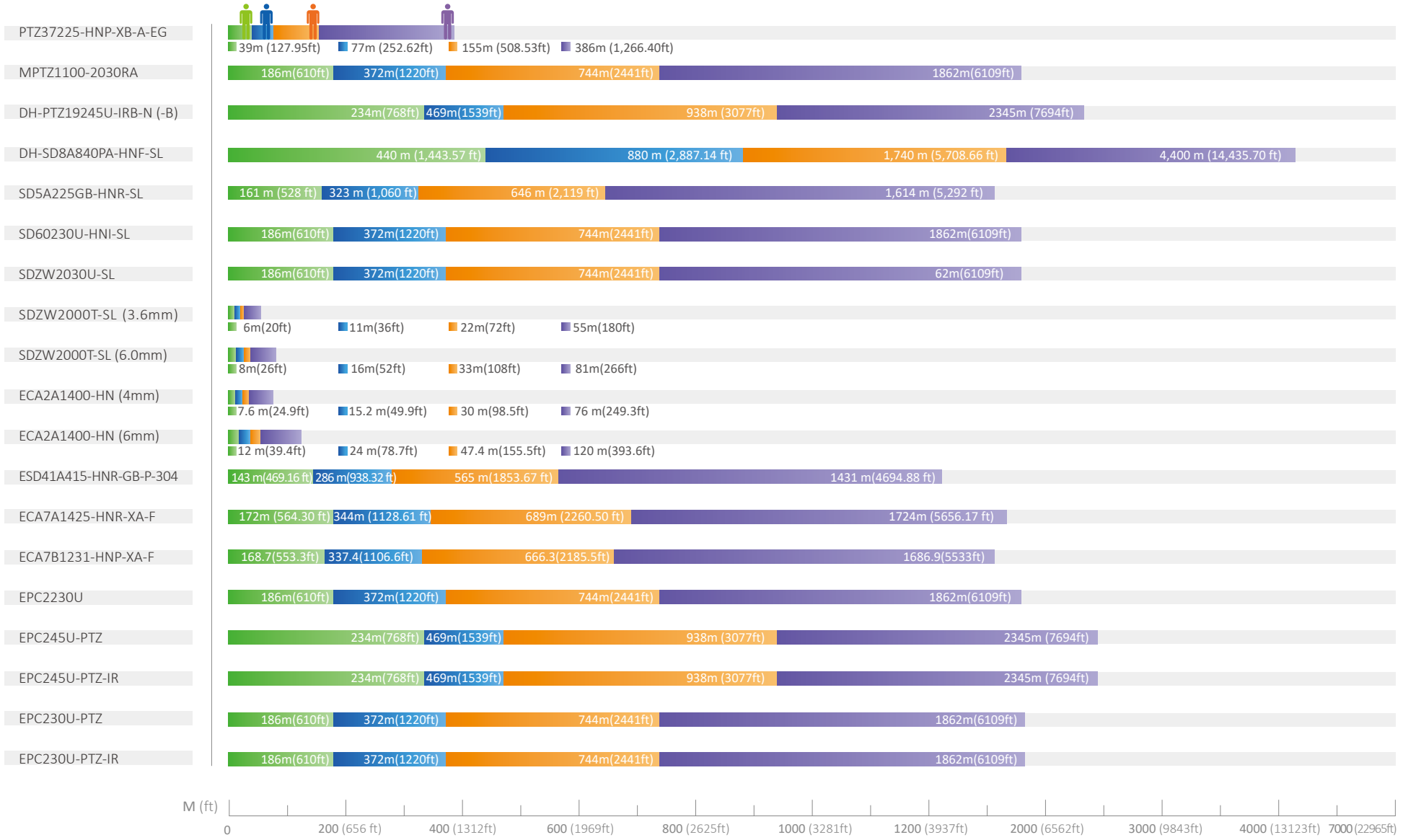


All-environment Series



NETWORK PTZ CAMERAS

All-environment Series



DORI DISTANCE (D/R/I)

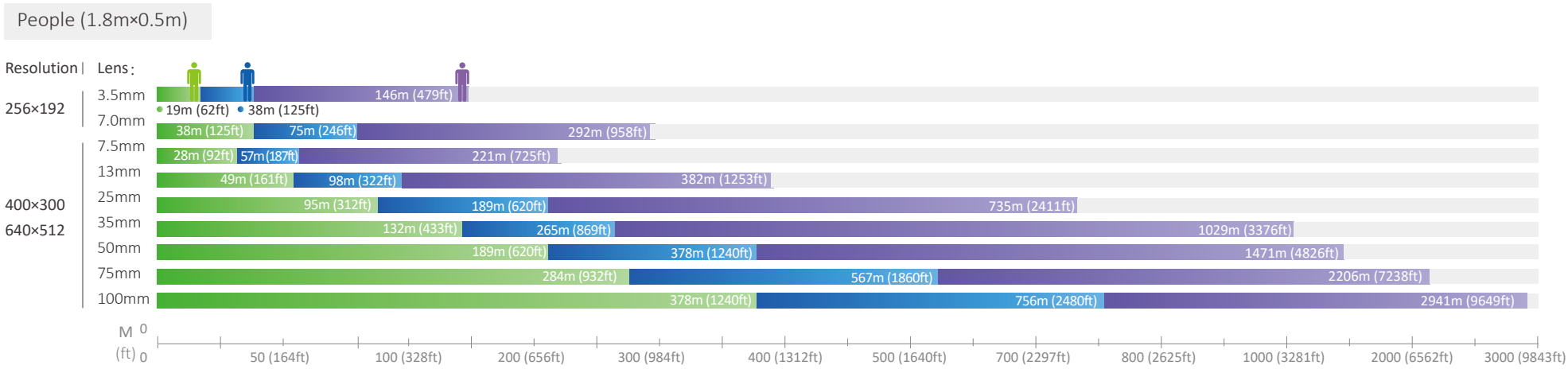
NETWORK THERMAL CAMERAS

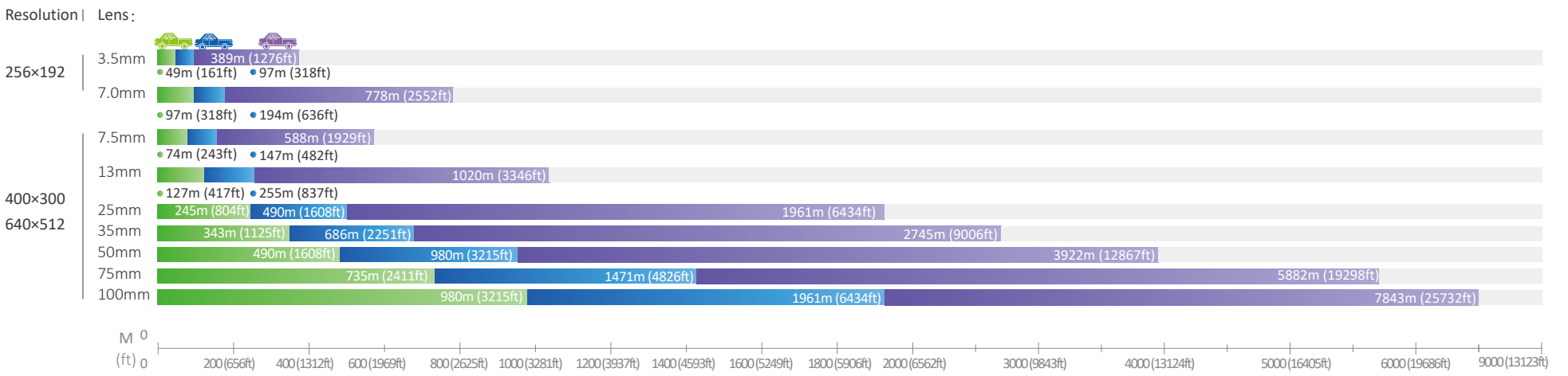
The DRI (Detection Recognition Identification) is defined in terms of the number of pixels on the object and depends on a common standard-- Johnson's criteria. [http://en.wikipedia.org/wiki/Johnson's_criteria]

Detection: Distinguish objects from backgrounds [Something is there]
Required minimum pixels: Human 3.6 pixels, Vehicle 3 pixels

Recognition: Distinguish classification of objects [Human, Vehicle or Building]
Required minimum pixels: Human 14 pixels, Vehicle 12 pixels

Identification: Identify characteristic of objects [Pickup truck or Hospital]
Required minimum pixels: Human 28 pixels, Vehicle 24 pixels





ENABLING A SAFER SOCIETY AND SMARTER LIVING

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*Design and specifications are subject to change without notice.

Ver. 2, Dec. 2023

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