

DH-PTZ85260-HNF-WA-FL(for project of Romania)

2MP 60x Starlight Laser WizMind Network Positioning System



- \cdot 1/1.8" 2Megapixel CMOS
- · Powerful 60x optical zoom
- Starlight technology
- · Max. 50/60 fps@1080P
- \cdot Laser distance up to 1200 m
- \cdot Deep-learning-based perimeter protection
- · Auto-tracking and IVS

·IP67



Wiz Mind

Launched by Dahua Technology, Dahua WizMind is a full portfolio of solutions composed of project-oriented products including IPC, NVR, PTZ, XVR, Thermal and software platform which adopts industry-leading deep learning algorithms. Focusing on customer's requirements, WizMind provides precise, reliable and comprehensive AI solutions for verticals.

System Overview

Dahua PTZ WizMind network camera adopts advanced CNN deep learning algorithms to support Perimeter Protection with high accuracy. This camera possess wide monitoring range and PFA algorithm that can always present a clear, focused image while zooming. The camera has very excellent low light performance due to adopting the latest starlight technology. The camera is equipped with smooth control, high quality image and good protection, which makes it meet most of the requirements of video surveillance applications.

Functions

Perimeter Protection

Automatically filtering out false alarms caused by animals, rustling leaves, bright lights, etc. Enables system to act secondary recognition for the targets. Improving alarm accuracy.

Starlight Technology

For challenging low-light applications, Dahua's Starlight Ultra-low Light Technology offers best-in-class light sensitivity, capturing color details in low light down to 0.001 lux. The camera uses a set of optical features to balance light throughout the scene, resulting in clear images in dark environments.

PFA Technology

PFA technology has innovatively introduced new methods of judgment to ensure the accuracy and predictability of the direction of subject distance adjustment. The result is a set of advanced focusing algorithms. PFA ensures clarity of the image throughout the process of zooming and shortens focus time. The realization of PFA technology substantially improves user experience and increases product value.

Environmental

Dahua cameras operate in extreme temperature environments, rated for use in temperatures from-40 °C to +70 °C (-40 °F to +158 °F) with 95% humidity. Subjected to rigorous dust and water immersion tests and certified to the IP67 Ingress Protection rating makes it suitable for demanding outdoor applications.

Protection

The camera allows for $\pm 25\%$ input voltage tolerance, suitable for the most unstable conditions for outdoor applications. Its 6KV lightning rating provides effective protection for both the camera and its structure against lightning.

Interoperability

The camera conforms to the ONVIF (Open Network Video Interface Forum) specifications, ensuring interoperability between network video products regardless of manufacturer.

Wide Dynamic Range

The camera achieves vivid images, even in the most intense contrast lighting conditions, using industry-leading wide dynamic range (WDR) technology. For applications with both bright and low lighting conditions that change quickly, True WDR (120 dB) optimizes both the bright and dark areas of a scene at the same time to provide usable video.

Auto-tracking

This feature controls the pan/tilt/zoom actions of the camera to automatically track an object in motion and to keep it in the scene. The tracking action can be triggered manually or automatically by defined rules. Once a rule is triggered, the camera can zoom in and track the defined target automatically.

Smart H.265+

Smart H.265+ is the optimized implementation of the H.265 codec that uses a scene-adaptive encoding strategy, dynamic GOP, dynamic ROI, flexible multi-frame reference structure and intelligent noise reduction to deliver high-quality video without straining the network. Smart H.265+ technology reduces bit rate and storage requirements by up to 70% when compared to standard H.265 video compression.



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Technical	Specification
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Camera

Camera				
Image Sensor	1/1.8" CMOS			
Pixel	2MP			
Max. Resolution	1920 (H) × 1080 (V)			
ROM	8 GB			
RAM	2 GB			
Electronic Shutter Speed	1/3 s-1/1000	1/3 s-1/100000 s		
Scanning System	Progressive			
Min. Illumination	Color: 0.001 Lux@F1.4 B/W: 0.0001 Lux@F1.4 0 Lux (laser on)			
Illumination Distance	1200 m (3937 ft)			
Illuminator On/Off Control	Zoom Prio/Manual/Off			
Illuminator Number	1 laser			
Wiper	Support			
Lens				
Focal Length	5.6 mm-336 mm (0.22"-13.23")			
Max. Aperture	F1.4-F4.5			
Field of View	H: 56.4°–1.2°; V: 32.7°–0.7°; D: 63.6°–1.7°			
Optical Zoom	60x			
Focus Control	Auto/Semi-Auto/Manual			
Close Focus Distance	0.5 m-2 m (1.64 ft-6.56 ft)			
Iris Control	Auto			
DORI Distance	Detect	Observe	Recognize	Identify
	6720 m (22047.24 ft)	2666.7 m (8749.02 ft)	1344 m (4409.45 ft)	672 m (2204.72 ft)
PTZ				

Pan/Tilt Range	Pan: 0°–360° endless Tilt: -45°–90° endless
Manual Control Speed	Pan: 0.1°–160°/s Tilt: 0.1°–60°/s
Preset Speed	Pan: 160°/s; Tilt: 60°/s
Presets	300
Tour	8 tours (up to 32 presets per tour)
Pattern	5
Scan	5
Power-off Memory	Support
Idle Motion	Preset/Tour/Pattern/Scanning
Protocol	DH-SD Pelco-P/D (auto recognition)
General Intelligence	
IVS	Support

Artificial Intelligence Support human body, human face, motor vehicle Video Metadata and non-motor vehicle image capture and attributes extraction. Tripwire and intrusion. Support alarm triggering by target types (human and vehicle). Support filtering Perimeter Protection false alarms caused by animals, rustling leaves, bright lights, etc. Auto Tracking Support Video H.265; H.264B; H.264M; H.264H; MJPEG; smart H.265; Compression smart H.264 Streaming Capability 3 streams 1080P (1920 × 1080); 1.3M (1280 × 960); 720P (1280 × Resolution 720); D1 (704 × 576); CIF (352 × 288) Main stream: 1080P/1.3M/720P (1-50/60 fps) Sub stream 1: D1/CIF (1–25/30 fps) Frame Rate Sub stream 2: 1080P/1.3M/720P (1-25/30 fps), D1/CIF (1-25/30 fps) Bit Rate Control Variable/Constant H.264: 32 Kbps-8192 Kbps Bit Rate H.265: 32 Kbps-8192 Kbps Day/Night Auto (ICR)/Color/B/W BLC Support WDR 120 dB HLC Support Auto/Indoor/Outdoor/Tracking/Manual/Sodium lamp/ White Balance Natural light/Street lamp Gain Control Auto/Manual Noise Reduction 2D/3D Motion Detection Support Region of Interest (Rol) Support Image Stabilization Electronic Defog Optical Digital Zoom 16x Flip 180° Privacy Masking Up to 24 areas, and up to 8 areas in the same view 55 dB S/N Ratio Audio G.711a; G.711mu; G.726; AAC; G722.1; G.729; MPEG2-Compression Layer2 Network RJ-45 (10/100Base-T) Ethernet IPv4; IPv6; HTTP; HTTPS; 802.1x; Qos; FTP; SMTP; Protocol UPnP; SNMPv1/v2c/v3 (MIB-2); DNS; DDNS; NTP; RTSP; RTP; TCP; UDP; IGMP; ICMP; DHCP; PPPoE; ARP; RTCP Interoperability ONVIF Profile S&G&T; CGI Unicast/Multicast Streaming Method User/Host 20 (Total bandwidth 64M)

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Storage	FTP; Micro SD card (256 G)
Browser	IE7 and later versions Chrome 45 and later versions Firefox 52ESR and earlier versions Safari
Management Software	Smart PSS; DSS; Easy4ip; Smart Player
Mobile Phone	iPhone/iPad/Android/Windows Phone
Certification	
Certifications	CE: EN55032/EN55024/EN50130-4 FCC: Part15 subpartB, ANSI C63.4-2014
Port	
Analog Output	1 (CVBS output, BNC port)
RS-485	1 (Baud rate range: 1200 bps-115200 bps)
Audio Input	1 (LINE IN; bare wire)
Audio Output	1
Alarm I/O	7/2 Digital input (0–5V DC)
Alarm Linkage	Capture; preset; tour; pattern; SD card record; trigger digital output; client electronic map; send email
Alarm Event	Motion/tampering detection; audio detection; network disconnection detection; IP conflict detection; encoder state detection; memory card state detection; memory space detection
Optical Fiber	100M single fiber FC Transmission specification: 1310nm TX/1550nm RX Distance: 20 km
Power	
Power Supply	DC36V/5A ± 25%
Power Consumption	Basic: 32.4W Max: 67.5W (PTZ rotating, illuminator on, wiper on)
Environment	
Operating Temperature	-40°C to +70°C (-40°F to 158°F)
Operating Humidity	≤95%
Protection	IP67; TVS 6000V lightning proof; surge protection
Structure	
Dimensions	722mm×622mm×413mm(28.4" × 24.5" × 16.3")
Net Weight	15.4 kg (33.95 lb)

Ordering Information				
Туре	Model	Description		
1080P WizMind Positioning System	DH-PTZ85260-HNF- WA-FL	2MP 60x Starlight Laser WizMind Network Positioning System, WDR, PAL		
	DH-PTZ85260N-HNF- WA-FL	2MP 60x Starlight Laser WizMind Network Positioning System, WDR, NTSC		
	PTZ85260-HNF- WA-FL	2MP 60x Starlight Laser WizMind Network Positioning System, WDR, PAL		
	PTZ85260N-HNF- WA-FL	2MP 60x Starlight Laser WizMind Network Positioning System, WDR, NTSC		
Accessories	DH-PFB741W	Bracket + Junction Box		
	DC36V/5A	Power Adapter		

Accessories





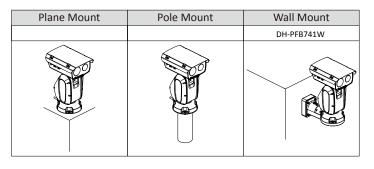
DC36V/5A Power Adapter

Optional:

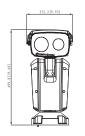


DH-PFB741W

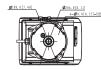
Bracket + Junction Box



Dimensions (mm[inch])







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