

# DH-TPC-PT8621A-T

## Thermal Network Hybrid Pan & Tilt Camera



- · 640×512 VOx uncooled thermal sensor technology
- · Athermalized lens(thermal), focus-free
- · 1/1.8" 4 megapixel progressive scan CMOS
- · Support detection and alarm of fire and smog
- · Max 140°/s pan speed, 360° endless pan rotation
- · Up to 300 presets, 5 auto scan, 8 tour, 5 pattern
- · 7/2 alarm in/out
- · Micro SD memory, IP66
- · Laser range finder(optional)
- · Laser illuminator(optional)

#### **System Overview**

Featuring a dual lens Pan-Tilt camera, this series provides an all-in-one solution that is especially beneficial for long distance video surveillance in outdoor applications. Together with Dahua Thermal and Starlight technology, the camera's long range capabilities are able to be utilized even at night. The series combines one thermal camera for monitoring in total darkness and one camera with Starlight functionality and a lens for confirming details up close.

### **Functions**

#### **Uncooled Vox Technology**

Dahua thermal cameras use uncooled Vox sensor technology. Their small size and better performance make them a cost-effective solution for thermal security.

#### **High Sensitivity**

High thermal sensitivity (≤40mK) allows cameras to capture more image details and temperature difference information.

#### Fire Detection & Alarm

With built-in fire detection functionality, the camera has the ability to detect fires from long range. Because thermal cameras are sensitive to temperature, they provide higher fire detection accuracy than General Camera, making them particularly fit for applications such as forest fire prevention.

#### Intelligent Video System (IVS)

IVS is a built-in video analytics algorithm that delivers intelligent functions to monitor a scene for tripwire violations, intrusion detection, and abandoned or missing objects. A camera with IVS quickly and accurately responds to monitoring events in a specific area.

#### **Environmental**

With a temperature range of -40 °C to +70 °C (-40 °F to +158 °F), the camera is designed for extreme temperature environments. Subjected and certified to rigorous dust and water immersion tests, the IP66 rating makes it suitable for demanding outdoor applications. For environments with rain, sleet, snow and fog, an integrated wiper(optional) provides users with clear visibility at all times. Product can meet IEC 60068-2-30\IEC 60068-2-52 standards.

#### **Protection**

The camera Supporting wide range voltage input (100-300V AC), suitable for the most unstable conditions for outdoor applications. Its 6 kV lightning rating provides effective protection for both the camera and its structure against lightning.

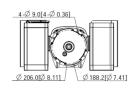
					Electronic Shutter Speed	1/30000s-1s
Technical Specification Thermal					BLC	Yes
Detector Type			Vanadium oxide uncooled focal plane detector		WDR	Yes
Effective Pixels			640×512		HLC	Yes
Pixel Pitch			17μm		Digital Zoom	16×
Spectral Range			8µm–14µm		Day/Night	Auto (ICR); color/B/W
Thermal Sensitivity (NETD)					Iris	Auto
Focal Length			50mm, 75 mm, 100 mm		Focus Mode	Auto; semi-auto; manual
Field of View			50mm: horizontal: 12.4°, vertical: 9.9° 75mm: horizontal: 8.3°, vertical: 6.6° 100mm: horizontal: 6.2°, vertical: 5.0°		Focal Length	6 mm-336 mm
					Field of View	6 mm: horizontal: 64.4°; vertical: 38.37°; 336 mm: horizontal: 1.28°; vertical: 0.72°;
Focus Mode			Fixed		Close Focus Distance	10 mm—1500 mm
	Lens	Detection	Recognition	Identification	Optical Zoom	56×
		Vehicle: 3922 m	Vehicle: 980 m (3215.22 ft) Human: 378 m (1240.16 ft)	Vehicle: 490 m (1607.61 ft) Human: 189 m (620.08 ft)	Aperture	F1.4-F4.5
!	50 mm	(12867.45 ft) Human: 1471 m (4826.12 ft)			Laser Illuminator(Optional)	
					Wavelength	850±5nm
Detection		Vehicle: 5882 m (19297.90 ft) Human: 2206 m (7237.53 ft)	Vehicle: 1471 m (4826.12 ft) Human: 567 m (1860.24 ft)	Vehicle: 735 m (2411.42 ft) Human: 284 m (931.76 ft)	Distance	800m
Distance	75 mm				Laser Range Finder(Optional)	
					Wavelength	1570nm(eyesafe)
		Vehicle: 7843 m (25731.63 ft) Human: 2931 m (9616.14 ft)	Vehicle: 1961 m (6433.73 ft) Human: 756 m (2480.31 ft)	Vehicle: 980 m (3215.22 ft) Human: 378 m (1240.16)	Distance	1000m
	100 mm				Accuracy	±2m
					Audio and Video	
Digital Detail Enhancement (DDE)			Yes		Video Compression	H.265; H.264M; H.264H; H.264B; MJEPG
Thermal Image Stabilization			Electronic Image Stabilization		Resolution	Thermal: SXGA(1280×1024)/720P(1280×720) / 640×512/320×256 Visual: 4M (2560×1440)/1080P (1920×1080)/720P (1280×720)/D1 (704×576/704×480) /CIF (352×288/352×240)
AGC			Auto; manual			
Noise Reduction			2D NR; 3D NR			
Color Palettes			18 color modes selectable such as Whitehot/Blackhot/Ironrow/Icefire.			, ,
Visible						Thermal:
Image Sensor			1/1.8 inch CMOS		Video Frame Rate	50Hz: Main stream (1280×1024@25fps/1280×720@25 fps/640×512@25fps), sub stream (640×512@25fps/320×256@25fps) 60Hz: Main stream (1280×1024@30fps/1280×720@30 fps/640×512@30fps), sub stream (640×512@30fps/320×256@30fps) Visual: 50Hz: Main stream (2560×1440@25fps/1920×1080@2 5fps/1280×720@25fps/704×576@25fps), sub stream (704×576@25fps/352×288@25fps) 60Hz: Main stream (2560×1440@30fps/1920×1080@3 0fps/1280×720@30fps/704×480@30fps), sub stream (704×480@30fps/352×240@30fps)
Max. Resolution			2560x1440			
Visible Effective Pixels			4MP			
Min. Illumination			Color: 0.001 Lux@F1.4 (1/30s, 30IRE) Black & white: 0.0001 Lux@F1.4 0 Lux (IR on)			
AGC			Auto; manual			
Noise Reduction			2D NR; 3D NR			
S/N Ratio			≥ 55 dB			
White Balance			Auto/manual/indoor/outdoor/tracking/sodium lamp/street lamp/natural			
Defog			Optical Defog			
Visible Image Stabilization			Optical Image Stabiliz	zation		

Power Up Action  Auto restore to previous PTZ and lens status after power failure  Idle Motion  Activate Preset/ Scan/ Tour/ Pattern if there is no command in the specified period  General Function  Two-way Talk  Yes  HTTP; TCP; ARP; RTSP; RTP; UDP; RTCP; SMTP; FTP; DHCP; DNS; DDNS; PPPOE; IPv4/v6; SNMP QoS; UPNP; NTP  Region of Interest (ROI)  Edge Storage  FTP; Micro SD card (256G, hot plug)  Interoperability  ONVIF; GB/T28181; CGI; PSIA; Dahua SDK  IE: IE8 and the later, and explorer with IE core Google: 42 and the earlier Firefox: 42 and the earlier  Safari: 10 and the earlier  User/Host  20 channels at most (the total bandwidth 64M MAC address; encrypted HTTPS; IEEE 802.1X; controlled network access  User Management  Security  Malfunction Detection  Network disconnection; IP addresses conflict; SD card error (status or storage space);  General AI Functions  General IVS Analytics  Tripwire/intrusion/auto tracking/human & vehicle classification  Professional and Intelligent  Advanced Intelligent Functions  Fire detection & alarm		
PTZ Pan/Tilt Range Pan: 0"-360" endless; Tilt: 90"-45" Manual Control Speed Pan: 0.1"-1407/s; Tilt: 0.1"-507/s Preset Speed Pan: 0.1"-807/s; Tilt: 0.1"-60"/s Preset 300 PTZ Mode S Auto Scan, 8 Tour, 5 Pattern, Auto Pan Speed Setup Human-oriented focal length/ speed adaptatic Auto restore to previous PTZ and lens status after power failure Idle Motion Activate Preset/ Scan/ Tour/ Pattern if there is no command in the specified period General Function Two-way Talk Yes  Network Protocol FTP; DHCP, DNS; DDNS; PPPOE; IPv4/v6; SNME Qos; UPnP; NTP Region of Interest (ROI) FTP; Micro SD card (256G, hot plug) Interoperability ONVIF; GB/T28181; CGI; PSIA; Dahua SDK IE: IE8 and the later, and explorer with IE core Google: 42 and the earlier Firefox: 42 and the earlier Safari: 10 and the earlier Safari: 10 and the earlier User/Host  User Management Support 20 users at most and users are classific as two groups—administrator group and user group.  Malfunction Detection  Metwork disconnection; IP addresses conflict; SD card error (status or storage space);  General AI Functions General IVS Analytics Tripwire/intrusion/auto tracking/human & vehicle classification  Professional and Intelligent Advanced Intelligent Functions Fire detection & alarm Cold/Hot Spot Trace Port Network  1 10M/100M Ethernet port (RJ-45) Alarm Input 7 channels	Audio Compression	G.711a; G.711mu; PCM
Pan/Tilt Range Pan: 0"-360" endless; Tilt: 90"-45"  Manual Control Speed Pan: 0.1"-140"/s; Tilt: 0.1"-50"/s  Preset Speed Pan: 0.1"-80"/s; Tilt: 0.1"-60"/s  Preset	Image Encoding Format	JPEG
Manual Control Speed Pan: 0.1*–1407/s; Tilt: 0.1*–507/s Preset Speed Pan: 0.1*–807/s; Tilt: 0.1*–607/s Preset 300 PTZ Mode 5 Auto Scan, 8 Tour, 5 Pattern, Auto Pan Speed Setup Human-oriented focal length/ speed adaptatic Auto restore to previous PTZ and lens status after power failure Idle Motion Activate Preset/ Scan/ Tour/ Pattern if there is no command in the specified period  General Function Two-way Talk Yes  Network Protocol PTP; DHCP, DMS; DDNS; PPPOE; IPV4/V6; SNMF QoS; UPnP; NTP Region of Interest (ROI) Yes Edge Storage FTP; Micro SD card (256G, hot plug) Interoperability ONVIF; GB/T28181; CGI; PSIA; Dahua SDK  IE: IEB and the later, and explorer with IE core Google: 42 and the earlier  User/Host 20 channels at most (the total bandwidth 64M Activate are increased as the original as two groups—administrator group and user group.  Malfunction Detection Search All Functions General AI Functions General AI Functions General IVS Analytics Pripe decided a Port (RJ-45) Alarm Input 7 channels	PTZ	
Preset Speed Pan: 0.1"–80"/s; Tilt: 0.1"–60"/s  Preset 300  PTZ Mode S Auto Scan, 8 Tour, 5 Pattern, Auto Pan  Speed Setup Human-oriented focal length/speed adaptation  Auto restore to previous PTZ and lens status after power failure  Idle Motion Activate Preset/ Scan/ Tour/ Pattern if there is no command in the specified period  General Function  Two-way Talk Yes  Network Protocol PTP; ARP; RTSP; RTP; UDP; RTCP; SMTP; FTP; DHCP; DNS; DDNS; PPPOE; IPV4/V6; SNMF (OS; UPnP; NTP)  Region of Interest (ROI) Yes  Edge Storage FTP; Micro SD card (256G, hot plug)  Interoperability ONVIF, GB/T28181; CGI; PSIA; Dahua SDK  Browser Firefox: 42 and the earlier Safari: 10 an	Pan/Tilt Range	Pan: 0°–360° endless; Tilt:-90°–45°
Preset 300 PTZ Mode S Auto Scan, 8 Tour, S Pattern, Auto Pan Speed Setup Human-oriented focal length/ speed adaptation Power Up Action Auto restore to previous PTZ and lens status after power failure  Idle Motion Activate Preset/ Scan/ Tour/ Pattern if there is no command in the specified period  General Function  Two-way Talk Yes  Network Protocol FTP; DHCP; DNS; DDNS; PPPOE; IPv4/v6; SNMF QoS; UPnP; NTP  Region of Interest (ROI) Yes  Edge Storage FTP; Micro SD card (256G, hot plug)  Interoperability ONVIF; GB/T28181; CGI; PSIA; Dahua SDK  Browser IE: IE8 and the later, and explorer with IE core Google: 42 and the earlier Safari: 10 and the earlier Firefox: 42 and the earlier Safari: 10 and the earlier Support 20 users at most (the total bandwidth 64M MC address; encrypted HTTPS; IEEE 802.1X; controlled network access  User Management Support 20 users at most and users are classification  Malfunction Detection Network disconnection; IP addresses conflict; SD card error (status or storage space);  General AI Functions  General IVS Analytics Tripwire/intrusion/auto tracking/human & vehicle classification  Professional and Intelligent  Advanced Intelligent Functions Fire detection & alarm  Cold/Hot Spot Trace Auto tracking of the hottest spot and the colds spot in the thermal image  Port  Network 1 10M/100M Ethernet port (RI-45)  Alarm Input 7 channels	Manual Control Speed	Pan: 0.1°–140°/s; Tilt: 0.1°–50°/s
PTZ Mode 5 Auto Scan, 8 Tour, 5 Pattern, Auto Pan  Speed Setup Human-oriented focal length/ speed adaptation  Auto restore to previous PTZ and lens status after power failure  Idle Motion Activate Preset/ Scan/ Tour/ Pattern if there is no command in the specified period  General Function  Two-way Talk Yes  Network Protocol PTP; DRP; RTP; DDP; RTCP; SMTP; FTP; DRP; DNS; DDNS; PPPOE; IPV4/V6; SNMF QoS; UPnP; NTP  Region of Interest (ROI) Yes  Edge Storage FTP; Micro SD card (256G, hot plug)  Interoperability ONVIF; GB/T28181; CGI; PSIA; Dahua SDK  Browser E: IEB and the later, and explorer with IE core Google: 42 and the earlier Safari: 10 and the earlier  Safari: 10 and the earlier  Safari: 10 and the earlier  Safari: 10 and the earlier  Security Authorized username and password; attached MAC address; encrypted HTTPS; IEEE 802.1X; controlled network access  User Management Support 20 users at most and users are classification  Malfunction Detection Secure at most and users are classification Professional and Intelligent  Advanced Intelligent Functions  General IVS Analytics Tripwire/intrusion/auto tracking/human & vehicle classification  Professional and Intelligent  Advanced Intelligent Functions Fire detection & alarm  Cold/Hot Spot Trace Auto tracking of the hottest spot and the colds spot in the thermal image  Port  Network 1 10M/100M Ethernet port (R1-45)  Alarm Input 7 channels	Preset Speed	Pan: 0.1°–80°/s; Tilt: 0.1°–60°/s
Power Up Action Auto restore to previous PTZ and lens status after power failure  Activate Preset/ Scan/ Tour/ Pattern if there is no command in the specified period  General Function  Two-way Talk Yes  Network Protocol HTTP; TCP; ARP; RTSP; RTP; UDP; RTCP; SMTP; FTP; DHCP; DNS; DDNS; PPPOE; IP-v4/v6; SNMF QoS; UPnP; NTP  Region of Interest (ROI) Yes  Edge Storage FTP; Micro SD card (256G, hot plug)  Interoperability ONVIF; GB/T28181; CGI; PSIA; Dahua SDK  Browser  IE: IE8 and the later, and explorer with IE core Google: 42 and the earlier Firefox: 42 and the earlier Safari: 10 and the earlier Safari: 10 and the earlier  User/Host 20 channels at most (the total bandwidth 64M MAC address; encrypted HTTPS; IEEE 802.1X; controlled network access  User Management Support 20 users at most and user are classification  Malfunction Detection Network disconnection; IP addresses conflict; SD card error (status or storage space);  General Al Functions  General IVS Analytics Professional and Intelligent  Advanced Intelligent Functions  Fire detection & alarm  Cold/Hot Spot Trace Auto tracking of the hottest spot and the cold spot in the thermal image  Port  Network 1 10M/100M Ethernet port (RJ-45)  Alarm Input 7 channels	Preset	300
Power Up Action  Auto restore to previous PTZ and lens status after power failure  Activate Preset/ Scan/ Tour/ Pattern if there is no command in the specified period  General Function  Two-way Talk  Yes  Network Protocol  FHTTP; TCP; ARP; RTSP; RTP; UDP; RTCP; SMTP; FTP; DHCP; DNS; DDNS; PPPOE; IPv4/v6; SNMF QoS; UPnP; NTP  Region of Interest (ROI)  Yes  Edge Storage  FTP; Micro SD card (256G, hot plug)  Interoperability  ONVIF; GB/T28181; CGI; PSIA; Dahua SDK  Browser  IE: IE8 and the later, and explorer with IE core Google: 42 and the earlier Firefox: 42 and the earlier Safari: 10 and the earlier  Safari: 10 and the earlier  User/Host  20 channels at most (the total bandwidth 64M MAC address; encrypted HTTPS; IEEE 802.1X; controlled network access  User Management  Support 20 users at most and users are classification where the same and password; attached MAC address; encrypted HTTPS; IEEE 802.1X; controlled network access  User Management  Network disconnection; IP addresses conflict; SD card error (status or storage space);  General AI Functions  General IVS Analytics  Professional and Intelligent  Advanced Intelligent Functions  Fire detection & alarm  Cold/Hot Spot Trace  Auto tracking of the hottest spot and the cold spot in the thermal image  Port  Network  1 10M/100M Ethernet port (RI-45)  Alarm Input  7 channels	PTZ Mode	5 Auto Scan, 8 Tour, 5 Pattern, Auto Pan
Idle Motion  Activate Preset/ Scan/ Tour/ Pattern if there is no command in the specified period  General Function  Two-way Talk  Yes  HTTP: TCP: ARP: RTSP: RTP: UDP: RTCP: SMTP: FTP: DHCP: DNS: DDNS: PPPOE: IPv4/v6; SNMF QoS; UPnP: NTP  Region of Interest (ROI)  Edge Storage  FTP: Micro SD card (256G, hot plug)  Interoperability  ONVIF: GB/T28181; CGI: PSIA; Dahua SDK  Browser  IE: IE8 and the later, and explorer with IE core Google: 42 and the earlier Firefox: 42 and the earlier Safari: 10 and the earlier  Safari: 10 and the earlier  User/Host  20 channels at most (the total bandwidth 64M MAC address; encrypted HTTPS; IEEE 802.1X; controlled network access  User Management  Support 20 users at most and users are classific as two groups—administrator group and user group.  Malfunction Detection  Network disconnection; IP addresses conflict; SD card error (status or storage space);  General AI Functions  General IVS Analytics  Tripwire/Intrusion/auto tracking/human & vehicle classification  Professional and Intelligent  Advanced Intelligent Functions  Fire detection & alarm  Cold/Hot Spot Trace  Auto tracking of the hottest spot and the colds spot in the thermal image  Port  Network  1 10M/100M Ethernet port (RI-45)  Alarm Input  7 channels	Speed Setup	Human-oriented focal length/speed adaptation
General Function  Two-way Talk  Yes  HTTP; TCP; ARP; RTSP; RTP; UDP; RTCP; SMTP; FTP; DHCP; DNS; DDNS; PPPOE; IPv4/v6; SNMF, QoS; UPnP; NTP  Region of Interest (ROI)  Edge Storage  FTP; Micro SD card (256G, hot plug)  Interoperability  ONVIF; GB/T28181; CGJ; PSIA; Dahua SDK  IE: IE8 and the later, and explorer with IE core Google: 42 and the earlier Firefox: 42 and the earlier Safari: 10 and the earlier Safari: 10 and the earlier  Safari: 10 and the earlier  Support 20 users at most (the total bandwidth 64M MAC address; encrypted HTTPS; IEEE 802.1X; controlled network access  User Management  Support 20 users at most and users are classifi as two groupsadministrator group and user group.  Malfunction Detection  Network disconnection; IP addresses conflict; SD card error (status or storage space);  General IVS Analytics  Professional and Intelligent  Advanced Intelligent Functions  Fire detection & alarm  Cold/Hot Spot Trace  Port  Network  1 10M/100M Ethernet port (RJ-45)  Alarm Input  7 channels	Power Up Action	·
Two-way Talk  Yes  HTTP; TCP; ARP; RTSP; RTP; UDP; RTCP; SMTP; FTP; DHCP; DNS; DDNS; PPPOE; IPv4/v6; SNMF QoS; UPnP; NTP  Region of Interest (ROI)  Yes  Edge Storage  FTP; Micro SD card (256G, hot plug)  Interoperability  ONVIF; GB/T28181; CGI; PSIA; Dahua SDK  IE: IE8 and the later, and explorer with IE core Google: 42 and the earlier Safari: 10 and the earlier Safari: 10 and the earlier  User/Host  20 channels at most (the total bandwidth 64M MAC address; encrypted HTTPS; IEEE 802.1X; controlled network access as two groupsadministrator group and user group.  Malfunction Detection  Network disconnection; IP addresses conflict; SD card error (status or storage space);  General AI Functions  General IVS Analytics  Tripwire/intrusion/auto tracking/human & vehicle classification  Professional and Intelligent  Advanced Intelligent Functions  Fire detection & alarm  Auto tracking of the hottest spot and the colds spot in the thermal image  Port  Network  1 10M/100M Ethernet port (RJ-45)  Alarm Input  7 channels	Idle Motion	Activate Preset/ Scan/ Tour/ Pattern if there is no command in the specified period
Network Protocol  HTTP; TCP; ARP; RTSP; RTP; UDP; RTCP; SMTP; FTP; DHCP; DNS; DDNS; PPPOE; IPv4/v6; SNMF QoS; UPnP; NTP  Region of Interest (ROI)  Yes  Edge Storage  FTP; Micro SD card (256G, hot plug)  Interoperability  ONVIF; GB/T28181; CGI; PSIA; Dahua SDK  IE: IE8 and the later, and explorer with IE core Google: 42 and the earlier Safari: 10 and the earlier  Safari: 10 and the earlier  User/Host  20 channels at most (the total bandwidth 64M MAC address; encrypted HTTPS; IEEE 802.1X; controlled network access  User Management  Support 20 users at most and users are classifi as two groupsadministrator group and user group.  Malfunction Detection  Network disconnection; IP addresses conflict; SD card error (status or storage space);  General AI Functions  General IVS Analytics  Tripwire/intrusion/auto tracking/human & vehicle classification  Professional and Intelligent  Advanced Intelligent Functions  Fire detection & alarm  Cold/Hot Spot Trace  Auto tracking of the hottest spot and the cold spot in the thermal image  Port  Network  1 10M/100M Ethernet port (RJ-45)  Alarm Input  7 channels	General Function	
Region of Interest (ROI)  FTP; DHCP; DNS; DDNS; PPPOE; IPv4/v6; SNMF Qo5; UPnP; NTP  Region of Interest (ROI)  Edge Storage  FTP; Micro SD card (256G, hot plug)  Interoperability  ONVIF; GB/T28181; CGI; PSIA; Dahua SDK  IE: IE8 and the later, and explorer with IE core Google: 42 and the earlier Firefox: 42 and the earlier Safari: 10 and the earlier  Safari: 10 and the earlier  Safari: 10 and the earlier  Security  Authorized username and password; attached MAC address; encrypted HTTPS; IEEE 802.1X; controlled network access  Support 20 users at most and users are classification as two groupsadministrator group and user group.  Malfunction Detection  Network disconnection; IP addresses conflict; SD card error (status or storage space);  General Al Functions  General IVS Analytics  Tripwire/intrusion/auto tracking/human & vehicle classification  Professional and Intelligent  Advanced Intelligent Functions  Fire detection & alarm  Cold/Hot Spot Trace  Auto tracking of the hottest spot and the colds spot in the thermal image  Port  Network  1 10M/100M Ethernet port (RJ-45)  Alarm Input  7 channels	Two-way Talk	Yes
Edge Storage  Interoperability  ONVIF; GB/T28181; CGI; PSIA; Dahua SDK  IE: IE8 and the later, and explorer with IE core Google: 42 and the earlier Firefox: 42 and the earlier Safari: 10 and the earlier Safari:	Network Protocol	FTP; DHCP; DNS; DDNS; PPPOE; IPv4/v6; SNMP;
Interoperability  ONVIF; GB/T28181; CGI; PSIA; Dahua SDK  IE: IE8 and the later, and explorer with IE core Google: 42 and the earlier Firefox: 42 and the earlier  Safari: 10 and the earlier  User/Host  20 channels at most (the total bandwidth 64M MAC address; encrypted HTTPS; IEEE 802.1X; controlled network access  User Management  Support 20 users at most and users are classification strong groups—administrator group and user group.  Malfunction Detection  Network disconnection; IP addresses conflict; SD card error (status or storage space);  General Al Functions  General IVS Analytics  Tripwire/intrusion/auto tracking/human & vehicle classification  Professional and Intelligent  Advanced Intelligent Functions  Fire detection & alarm  Cold/Hot Spot Trace  Auto tracking of the hottest spot and the colds spot in the thermal image  Port  Network  1 10M/100M Ethernet port (RJ-45)  Alarm Input  7 channels	Region of Interest (ROI)	Yes
Browser  IE: IE8 and the later, and explorer with IE core Google: 42 and the earlier Firefox: 42 and the earlier Safari: 10 and the earlier  Safari: 10 and the earlier  20 channels at most (the total bandwidth 64M MAC address; encrypted HTTPS; IEEE 802.1X; controlled network access  User Management  Support 20 users at most and users are classifi as two groupsadministrator group and user group.  Malfunction Detection  Network disconnection; IP addresses conflict; SD card error (status or storage space);  General AI Functions  General IVS Analytics  Tripwire/intrusion/auto tracking/human & vehicle classification  Professional and Intelligent  Advanced Intelligent Functions  Fire detection & alarm  Cold/Hot Spot Trace  Auto tracking of the hottest spot and the colde spot in the thermal image  Port  Network  1 10M/100M Ethernet port (RJ-45)  Alarm Input  7 channels	Edge Storage	FTP; Micro SD card (256G, hot plug)
Browser  Google: 42 and the earlier Firefox: 42 and the earlier Safari: 10 and the earlier  20 channels at most (the total bandwidth 64M  Authorized username and password; attached MAC address; encrypted HTTPS; IEEE 802.1X; controlled network access  User Management  Support 20 users at most and users are classification proup and user group.  Malfunction Detection  Network disconnection; IP addresses conflict; SD card error (status or storage space);  General Al Functions  General IVS Analytics  Tripwire/intrusion/auto tracking/human & vehicle classification  Professional and Intelligent  Advanced Intelligent Functions  Fire detection & alarm  Cold/Hot Spot Trace  Auto tracking of the hottest spot and the colders spot in the thermal image  Port  Network  1 10M/100M Ethernet port (RJ-45)  Alarm Input  7 channels	Interoperability	ONVIF; GB/T28181; CGI; PSIA; Dahua SDK
Authorized username and password; attached MAC address; encrypted HTTPS; IEEE 802.1X; controlled network access  User Management  Support 20 users at most and users are classification group.  Malfunction Detection  Network disconnection; IP addresses conflict; SD card error (status or storage space);  General Al Functions  General IVS Analytics  Tripwire/intrusion/auto tracking/human & vehicle classification  Professional and Intelligent  Advanced Intelligent Functions  Fire detection & alarm  Cold/Hot Spot Trace  Auto tracking of the hottest spot and the colder spot in the thermal image  Port  Network  1 10M/100M Ethernet port (RJ-45)  Alarm Input  7 channels	Browser	Google: 42 and the earlier Firefox: 42 and the earlier
Security  MAC address; encrypted HTTPS; IEEE 802.1X; controlled network access  Support 20 users at most and users are classifi as two groupsadministrator group and user group.  Malfunction Detection  Network disconnection; IP addresses conflict; SD card error (status or storage space);  General Al Functions  General IVS Analytics  Tripwire/intrusion/auto tracking/human & vehicle classification  Professional and Intelligent  Advanced Intelligent Functions  Fire detection & alarm  Cold/Hot Spot Trace  Auto tracking of the hottest spot and the colde spot in the thermal image  Port  Network  1 10M/100M Ethernet port (RJ-45)  Alarm Input  7 channels	User/Host	20 channels at most (the total bandwidth 64M)
User Management as two groupsadministrator group and user group.  Malfunction Detection Network disconnection; IP addresses conflict; SD card error (status or storage space);  General Al Functions  General IVS Analytics Tripwire/intrusion/auto tracking/human & vehicle classification  Professional and Intelligent  Advanced Intelligent Functions Fire detection & alarm  Cold/Hot Spot Trace Auto tracking of the hottest spot and the colder spot in the thermal image  Port  Network 1 10M/100M Ethernet port (RJ-45)  Alarm Input 7 channels	Security	
General Al Functions  General IVS Analytics  Tripwire/intrusion/auto tracking/human & vehicle classification  Professional and Intelligent  Advanced Intelligent Functions  Fire detection & alarm  Cold/Hot Spot Trace  Port  Network  1 10M/100M Ethernet port (RJ-45)  Alarm Input  SD card error (status or storage space);  Arious storage space);	User Management	
General IVS Analytics  Professional and Intelligent  Advanced Intelligent Functions  Fire detection & alarm  Cold/Hot Spot Trace  Port  Network  1 10M/100M Ethernet port (RJ-45)  Alarm Input  Tripwire/intrusion/auto tracking/human & vehicle classification  Fire detection & alarm  Auto tracking of the hottest spot and the colde spot in the thermal image  Port  Network  1 10M/100M Ethernet port (RJ-45)	Malfunction Detection	
Professional and Intelligent  Advanced Intelligent Functions  Cold/Hot Spot Trace  Port  Network  Alarm Input  Advanced Intelligent Functions  Fire detection & alarm  Auto tracking of the hottest spot and the colder spot in the thermal image  Port  7 channels	General AI Functions	
Advanced Intelligent Functions  Fire detection & alarm  Auto tracking of the hottest spot and the colder spot in the thermal image  Port  Network  1 10M/100M Ethernet port (RJ-45)  Alarm Input  7 channels	General IVS Analytics	
Cold/Hot Spot Trace  Auto tracking of the hottest spot and the colder spot in the thermal image  Port  Network  1 10M/100M Ethernet port (RJ-45)  Alarm Input  7 channels	Professional and Intelligent	
Port  Network 1 10M/100M Ethernet port (RJ-45)  Alarm Input 7 channels	Advanced Intelligent Functions	Fire detection & alarm
Network 1 10M/100M Ethernet port (RJ-45)  Alarm Input 7 channels	Cold/Hot Spot Trace	Auto tracking of the hottest spot and the coldest spot in the thermal image
Alarm Input 7 channels	Port	
	Network	1 10M/100M Ethernet port (RJ-45)
Alarm Output 2 channels	Alarm Input	7 channels
	Alarm Output	2 channels

Audio Input	1 channel				
Audio Output	1 channel				
RS-485	1 channel				
Power					
Power Supply	36V/2A DC				
Power Consumption	Maximum: 80W				
Environment					
Operating Temperature	-40°C to +70°C (-40°F to 158°F)				
Operating Humidity	≤95%				
Self-Adaptive	Auto heating to protect the chip under the cold environment				
Physical Characteristics					
Protection Grade	IP66				
Dimensions	520 mm × 269 mm × 390 mm (LxWxH)				
Net Weight	≤25kg				
Power Adaptor	Contained				
Lens	Contained				
Certification					

## Dimensions (mm[inch])

Certifications







CE (EN 60950:2000); FCC (FCC Part 15 SubpartB )

