Multi-spectral PTZ Network Camera PT864L



Product Feature

- Clearer imaging with the latest generation 12micron uncooled infrared detector and leading infrared image algorithm.
- Visual, laser and thermal multi-spectrum imaging, meet the needs of 24/7 security monitoring.
- Support intelligent behavior analysis, such as tripwire detection and region intrusion detection.
- Support intelligent smoke and fire detection and infrared video analysis to meet the requirement of forest fire prevention and intelligent firefighting.
- Integrated with high-speed and high-accuracy PT, encapsulation raging IP66
- Support single-IP, double-channel network video transmission, transmit visible video and infrared video simultaneously.
- Support ONVIF and GB28281 standard protocols, provide SDK, matched NVR and Software

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Product Specifications

Technical Inc	dex	PT864L				
	Sensor Type	VOx uncooled FPA detector				
Thermal	Spectral Range	8 ~ 14µm				
	NETD	≤30mK(@25°C,F#1.0,25Hz)				
	Max.	, •				
	Resolution	640×512				
	Pixel Pitch	12µm				
	Focal Length	20~100mm	30~150mm		25mm	
	Focus Mode	Auto/Manual/One-shot Auto 22.0°×17.6° 14.7°×11.7° 47.00 44.40 0.00 4.00				
	FOV	22.0°×17.6° ~4.4°×3.5°	~2.9°×2.3°		°~2.0°×1.6°	
	F number	F0.8~F1.1	F0.85~F1.2	F0.9	5~F1.5	
	Spatial Resolution	0.600~0.12 0mrad	0.400~0.08 0mrad		.053mrad	
	Color Palettes	20 modes selectable such as Blackhot/Whitehot/Rainbow,etc.				
	Image sensor	1/1.8inch 4MI	P CMOS			
	Max. Resolution	2688×1520				
	Focal Length	6~300mm				
	Focus Mode	Auto / Manual / One-shot auto				
Visible	FOV	66.0°×40.3°~ 1.4°×0.8°				
	WDR	Support				
	Day /Night	Manual/Auto				
	Fog Penetration	Support optical fog penetration				
	Anti-shake	Support EIS				
Laser	Illumination Distance	3000m, simultaneous zoom for visible light				
	Pan Range	360° Continuous Rotate				
	Pan Speed	0.01° ~ 60°/s				
PTZ	Tilt Range	-60° ~ +60°				
	Tilt Speed	0.01° ~ 15°/s				
	Scan Mode	Preset/Patter		ı/Patrol	Scan/Linear	
Network	Protocols	TCP/IP,UDP,ICMP,HTTP,HTTPS,FTP,DHCP,DNS,RTP,RTSP,RTCP,IGMP,SMTP, NTP, QoS				
	Interoperability	ONVIF/GB28181/SDK				
	Simultaneous live view	Up to 20 channels				
	User Management	Up to 20 users, 2 levels: Administrator and User				
	Browser	IE8+, multiple	languages			
Video	Max. Resolution	2688×1520(Visible), 1280×1024 (Thermal)				
	Image	JPEG				

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Encoding Format	Technical Index		PT864L			
Compression Video Compression Video Compression Video Compression H.264/H.265/MJPEG Visible: 50Hz:25fps(2688×1520,1920×1080,1280×720) 60Hz:30fps(2688×1520,1920×1080,1280×720) Thermal: 50Hz:25fps(1280×1024,1280×720,1024×768) Visible: 50Hz:25fps(1920×1080,1280×720,704×576,352×288) 60Hz:30fps(1920×1080,1280×720,704×480,352×240) Thermal: 50Hz:25fps(640×512,384×288) Fire Detection yes Zoom Linkage yes Smart Record Smart Record Smart Alarm Smart Alarm Detecting Alarm Linkage Power Supply Communication Interface Audio Interface Audio Interface Storage Interface Communication Interface Communication Interface Support Micro SD card (Max.256G) Visible: 50Hz:25fps(2688×1520,1920×1080,1280×720,704×768) Visible: 50Hz:25fps(1280×1024,1280×720,704×768) Visible: 50Hz:25fps(1280×1024) 1280×720,704×720,704×768) Visible: 50Hz:25fps(1280×1024,1280×720,704×720,704×768) Visible: 50Hz:25fps(1280×1024,1280×720,704×720,704×768) Visible: 50Hz:25fps(1280×1024,1280×720,704×720,704×480,352×228) OHD:260Hz:25fps(1280×1080,1280×720,704×720						
Compression		Compression	G.711A/G.711Mu/PCM/AAC/MPEG2-Layer2			
Main Stream Sold Substream Substrea		11455	H.264/H.265/MJPEG			
Sub Stream Visible: 50Hz:25fps(1920×1080,1280×720,704×576,352×288) 60Hz:30fps(1920×1080,1280×720,704×480,352×240) Thermal: 50Hz:25fps(640×512,384×288) yes Zoom Linkage yes Smart Record Smart Record Smart Alarm Smart Function Smart Detecting Alarm Linkage Power Supply Communication Interface System Interface System Interface Visible: 50Hz:25fps(1920×1080,1280×720,704×576,352×288) 60Hz:25fps(1920×1080,1280×720,704×576,352×288) 60Hz:26fps(1920×1080,1280×720,704×576,352×288) 60Hz:26fps(1920×1080,1280×720,704×480,352×240) Thermal: 50Hz:25fps(1920×1080,1280×720,704×480,352×240) Thermal: 50Hz:25fps(640×512,384×288) yes Alarm trigger recording, disconnection trigger recording (continue transmission after connection) Support alarm trigger of network disconnection, IP address conflict, full memory, memory error, illegal access and abnormal detection Support smart video analysis such as line intrusion, cross-border, and region intrusion Recording/Capture/Sending mail/PTZ linkage/Alarm output Thermal: 50Hz:25fps(640×512,384×288) yes Smart Record Support smart video analysis such as line intrusion, cross-border, and region intrusion Recording/Capture/Sending mail/PTZ linkage/Alarm output Thermal: 50Hz:25fps(640×512,384×288) Smart Record mail recording mail/PTZ linkage/Alarm output linearity access and abnormal detection Support smart video analysis such as line intrusion, cross-border, and region intrusion Recording/Capture/Sending mail/PTZ linkage/Alarm output linearity access and abnormal detection Support sma		Main Stream	50Hz:25fps(2688×1520,1920×1080,1280×720) 60Hz:30fps(2688×1520,1920×1080,1280×720) Thermal:			
Zoom Linkage yes		Sub Stream	Visible: 50Hz:25fps(1920×1080,1280×720,704×576,352×288) 60Hz:30fps(1920×1080,1280×720,704×480,352×240) Thermal:			
Smart Record (continue transmission after connection) Support alarm trigger of network disconnection, IP address conflict, full memory, memory error, illegal access and abnormal detection Smart Support smart video analysis such as line intrusion, cross-border, and region intrusion Alarm Linkage Recording/Capture/Sending mail/PTZ linkage/Alarm output Power Supply DC 48V±15% Communication Interface Audio Interface 1-channel input, 1 channel output Storage Interface Support Micro SD card (Max.256G) Communication 1-channel RS485		Fire Detection	yes			
Smart Function Smart Alarm Support alarm trigger of network disconnection, IP address conflict, full memory, memory error, illegal access and abnormal detection Smart Support smart video analysis such as line intrusion, cross-border, and region intrusion Alarm Linkage Power Supply Communication Interface Audio Interface Audio Interface Alarm Interface Alarm Interface Storage Interface Communication Interface Communication Interface Support Micro SD card (Max.256G) L-channel RS485		Zoom Linkage	yes			
Smart Alarm address conflict, full memory, memory error, illegal access and abnormal detection Smart Support smart video analysis such as line intrusion, cross-border, and region intrusion Alarm Linkage Recording/Capture/Sending mail/PTZ linkage/Alarm output Power Supply DC 48V±15% Communication Interface Audio Interface 1-channel input, 1 channel output Alarm Interface 1-channel input, 1-channel output Storage Interface Support Micro SD card (Max.256G) Communication 1-channel RS/85		Smart Record	(continue transmission after connection)			
Detecting cross-border, and region intrusion Recording/Capture/Sending mail/PTZ linkage/Alarm output Power Supply DC 48V±15% Communication Interface Audio Interface 1-channel input, 1-channel output Storage Interface Communication Communication 1-channel RS485		Smart Alarm	address conflict, full memory, memory error, illegal			
System Interface System Interface Alarm Linkage output output Power Supply DC 48V±15% RJ45 self-adaptive 10M/100M Ethernet port Ichannel input, 1 channel output Alarm Interface 1-channel input, 1-channel output Storage Interface Support Micro SD card (Max.256G) Communication 1-channel RS485			cross-border, and region intrusion			
System Interface Audio Interface Alarm Interface Storage Interface Communication Interface Audio Interface Alarm Interface Storage Interface Communication 1-channel RS485 Communication 1-channel RS485		Alarm Linkage				
System Interface Audio Interface Interface Alarm Interface Storage Interface Interface Communication System Interface Alarm Interface Support Micro SD card (Max.256G) 1-channel RS485			DC 48V±15%			
System Interface Alarm Interface Storage Interface Interface Communication 1-channel input, 1-channel output Support Micro SD card (Max.256G) 1-channel RS485			RJ45 self-adaptive 10M/100M Ethernet port			
Interface Alarm Interface 1-channel input, 1-channel output Storage Interface Support Micro SD card (Max.256G) Communication 1-channel RS485	System	Audio Interface	1channel input, 1 channel output			
Storage Interface Support Micro SD card (Max.256G) Communication 1-chappel RS485		Alarm Interface	1-channel input, 1-channel output			
1-channel RS/I85	interrace	Interface	Support Micro SD card (Max.256G)			
		Interface	1-channel RS485			
Operating Conditions $-40^{\circ}\text{C} \sim +70^{\circ}\text{C}$; <90%RH	General		-40°C ~ +70°C; <90%RH			
		Grade	Protection and Voltage Transient Protection			
Power Consumption Max.220W		' - ' - '	Max.220W			
Dimensions(m m) 645mm×680.5mm×550mm(W×H×L)		Dimensions(m	645mm×680.5mm×550mm(W×H×L)			
		Weight	48KG			

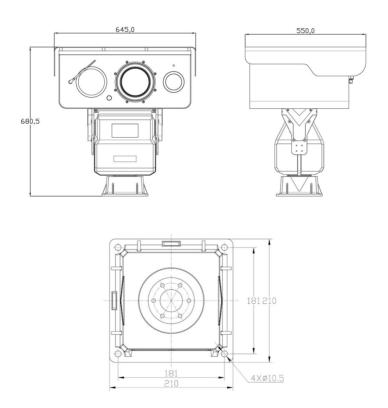
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Operating Distance

The recommended distance of detecting, recognizing and identifying for man $(1.8 \times 0.5 \text{m})$ and vehicle $(1.4 \times 4.0 \text{m})$ are as follows:

Lens	DD (Vehicle)	DD (Man)	RD (Vehicle)	RD (Man)	ID (Vehicle)	ID (Man)
100mm	12.8km	4.2km	3.2km	1.0km	1.6km	0.5km
150mm	19.2km	6.3km	4.8km	1.6km	2.4km	0.8km
225mm	28.8km	9.4km	7.2km	2.3km	3.6km	1.2km

Structural Drawings



This datasheet is subject to change without prior notice. Please contact us to get the latest datasheet.

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