

RPT864L Series

Dual Spectrum Network PTZ Cameras



Product Features

- 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.
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- Integrated with high-speed and high-accuracy PT, encapsulation rating IP66.
- Support single-IP, double-channel network video transmission, transmits visible video and infrared video simultaneously.
- Support ONVIF and GB28281 standard protocols; provide SDK, matched NVR and Software.

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Technical Specification

Thermal	Sensor Type	VOx uncooled FPA detector		
	Spectral Range	8~14μm		
	NETD	≤30mK(@25°C, F#1.0, 25Hz)		
	Max. Resolution	640x512		
	Pixel Pitch	12μm		
	Focal Length	20 ~ 100mm	30 ~ 150mm	25 ~ 225mm
	Focus Mode	Auto/Manual/One-shot Auto		
	FOV	22.0° x 17.6° ~ 4.4° x 3.5°	14.7° x 11.7° ~ 2.9° x 2.3°	17.6° x 14.1° ~ 2.0° x 1.6°
	F number	F0.8 ~ F1.1	F0.85 ~ F1.2	F0.95 ~ F1.5
	Spatial Resolution	0.600 ~ 0.120mrad	0.400 ~ 0.080mrad	0.480 ~ 0.053mrad
	Color Palettes	20 modes selectable such as Black-hot / White-hot / Rainbow and etc.		
Visible	Image Sensor Type	1/1.8" 4MP CMOS		
	Max. Resolution	2688x1520		
	Focal Length	6~300mm		
	Focus Mode	Auto/Manual/One-shot auto		
	FOV	66.0° x 40.3° ~ 1.4° x 0.8°		
	WDR	Support		
	Day/Night	Manual/Auto		
	Fog Penetration	Support optical fog penetration		
Laser	Anti-shake	Support EIS		
	Illumination Distance	3000m, simultaneous zoom for visible light		
PTZ	Pan Range	360° Continuous Rotate		
	Pan Speed	0.01° ~ 60°/s		
	Tilt Range	-60° ~ 60°		
	Tilt Speed	0.01° ~ 15°/s		
	Scan Mode	Preset / Pattern Scan / Patrol Scan / Linear Scan / Panorama Scan		
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	688x1520(Visible), 1280x1024 (Thermal)		
	Image Encode Format	JPEG		
	Audio Compression	G.711A/G.711Mu/PCM/AAC/MPEG2-Layer2		
	Video Compression	H.264/H.265/MJPEG		
	Main Stream	Visible: 50Hz: 25fps(2688x1520, 1920x1080, 1280x720) 60Hz: 30fps(2688x1520, 1920x1080, 1280x720) Thermal: 50Hz: 25fps(1280x1024, 1280x720, 1024x768)		
	Sub Stream	Visible: 50Hz: 25fps(1920x1080, 1280x720, 704x576, 352x288) 60Hz: 30fps(1920x1080, 1280x720, 704x480, 352x240) Thermal: 50Hz: 25fps(640x512, 384x288)		
Smart Function	Fire Detection	Yes		
	Zoom Linkage	Yes		
	Smart Record	Alarm trigger recording, disconnection trigger recording (continue transmission after connection)		
	Smart Alarm	Support alarm trigger of network disconnection, IP address conflict, full memory, memory error, illegal access and abnormal detection		
	Smart Detecting	Support smart video analysis such as line intrusion, cross-border, and region intrusion		
	Alarm Linkage	Recording/Capture/Sending mail/PTZ linkage/Alarm output		

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System Interface	Power Supply	DC 48V \pm 15%
	Communication Interface	RJ45 self-adaptive 10M/100M Ethernet port
	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 Interface	1-channel RS485
General	Operating Conditions	-40°C ~ +70°C; <90%RH
	Protection Grade	IP66, TVS 6000V Lightning Protection, Surge Protection and Voltage Transient Protection Conform to GB/T17626.5 Grade-4 Standard
	Power Consumption	Max. 220W
	Dimensions(mm)	645mm x 680.5mm x 550mm (W x H x L)
	Weight	48Kg

Operating Distance

The recommended distance of detecting, recognizing and identifying for man (1.8 \times 0.5m) and vehicle (1.4 \times 4.0m) 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	7.2Km	7.2Km	2.3Km	3.6Km	1.2Km

Structural Drawings

