Dual-spectrum PTZ Network Camera Series RPT864L

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

Product Specifications

Technical Index		RPT864L
Thermal	Sensor Type	VOx uncooled FPA detector
	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 / 25~225mm
	Focus Mode	Auto/Manual/One-shot Auto
	FOV	3.9°×3.1°~34.2°×27.6°
	F number	F0.95~F1.5
	Spatial Resolution	0.053~0.480mrad
	Color Palettes	20 modes selectable such as Blackhot/Whitehot/Rainbow,etc.
Visible	Image sensor	1/1.8inch 4MP CMOS
	Max. Resolution	2688×1520
	Focal Length	15~775mm
	Focus Mode	Auto / Manual / One-shot auto
	FOV	29.1°×16.7°~0.5°×0.3°
	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
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	2688×1520(Visible)，1280×1024（Thermal）
	Image	JPEG
	Audio Compression	G.711A/G.711Mu/PCM/AAC/MPEG2-Layer2
	Video Compression	H.264/H.265/MJPEG
	Main Stream	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)
	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)
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
System Interface	Power Supply	DC 48V±15%
	Communication Interface	RJ45 self-adaptive 10M/100M Ethernet port
	Audio Interface	1channel 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℃～+70℃；<90%RH
	Protection Grade	IP66，TVS　6000V　LightningProtection, Surge Protection and Voltage Transient Protection Conform to GB/T17626.5 Grade-4 Standard

	Power Consumption	Max.220W
	Dimensions(mm)	645mm×680.5mm×550mm(W×H×L)
	Weight	48KG

Operating Distance

The recommended distance of detecting, recognizing and identifying for man (1.8×0.5m) and vehicle (1.4×4.0m) 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	9.4km	7.2km	2.3km	3.6km	1.2km

Structural Drawings