



RTPZ-PT4 Series

Dual-Spectrum PTZ
Network Camera

Product Feature

1. With the latest Rhodium 12 μ m uncooled IR detector, IRS-PT series can make farther and clearer images.
2. High-definition dual-spectrum imaging, supports maximum thermal imaging resolution of 1.3 MP. Together with 4 MP 35x visible light camera.
3. Support 25~75mm infrared lens of continuous zoom which can meet the needs of long monitoring distances.
4. Support high-definition network transmission, and can transmit visible light video and infrared video at the same time.
5. Combination of multiple network monitoring, and support ONVIF protocol.

6. High-speed and high accuracy PTZ, support 5 scanning styles and 17 scan tracks with speed memory.
7. Support smart smog and fire detection, which can meet the needs of forest fire prevention and intelligent fire fighting
8. Support smart infrared video analysis such as area intrusion and tripwire intrusion.
9. Encapsulation level IP66

Product Specifications

Technical Index		RTPZ-PT4S4	RTPZ-PT464	RTPZ-PT434
Thermal	Sensor Type	VOx uncooled FPA detector		
	Spectral Range	8~14μm		
	NETD	≤40mK(@25°C,F#1.0,25Hz)		
	Max. Resolution	1280*1024	640*512	384*288
	Pixel Pitch	12μm		
	Focal Length	75mm/25~75mm	75mm/25~75mm	75mm/25~75mm
	Focus Mode	Auto/Manual		
	FOV	11.7°×9.36°/ 11.5°×9.3°~35.9°× 28.5°	5.9°×4.7°/ 5.9°×4.7°~17.6°× 14.1°	3.5°×2.6°/ 3.5°×2.6°~10.6°× 7.9°
	F number	F1.0/F0.95~F1.2	F1.0/F0.95~F1.2	F1.0/F0.95~F1.2
	Spatial Resolution	0.160mrad/0.160~0.480mrad		
	Color Palette	18 modes selectable such as Blackhot/Whitehot/Rainbow,etc.		
Visible	Image sensor	1/1.8inch 4MP CMOS		
	Max. Resolution	2560×1440		
	Focal Length	6~210mm 35× optical zoom		
	Focus Mode	Auto / Manual / One-shot auto		
	FOV	Horizontal: 61°~2.0°		
	Min. Illumination	Color: 0.004Lux/F1.5 B/W: 0.0004Lux/F1.5		
	WDR	Support		
	Day /Night	Manual/Auto		
PTZ	DNR	3D NR		
	Pan Range	Pan: 360° Continuous Rotate		
	Pan Speed	Configurable, 0.1°~100°/s		
Tilt Range	Tilt: -90°~+40°			

Technical Index		RTPZ-PT4S4	-PT464	-PT434
	Tilt Speed	Configurable, 0.1°~60°/s		
	Preset Accuracy	±0.02°		
	Presets	256		
	Patrol Scan	8, up to 255 presets per patrol		
	Pattern Scan	4		
	Linear Scan	4		
	Panorama Scan	1		
	3D Positioning	yes		
	Power Off Memory	yes		
	Speed Setup	Speed adaptation to focal length		
	Position Setup	support, configurable in horizontal /vertical		
	Privacy Mask	yes		
	Park	Preset/Pattern Scan/Patrol Scan/Linear Scan/Panorama Scan		
	Scheduled Task	Preset/Pattern Scan/Patrol Scan/ Linear Scan/Panorama Scan		
	Anti-burn	yes		
Remote Power-off Reboot	yes			
Network	Protocols	TCP/IP,UDP,ICMP,HTTP,HTTPS,FTP,DHCP,DNS,RTP,RTSP,RTCP,I GMP, SMTP, NTP, QoS		
	Interoperability	ONVIF、GB28181、SDK		
	Simultaneous live view	Up to 20 channels		
	User Management	Up to 20users, 3 levels: Administrator, Operator and User		
	Browser	IE8+, multiple languages		
Video	Max. Resolution	2560×1440 (Visible) 1280×1024 (Thermal)	2560×1440 (Visible) 704×576 (Thermal)	2560×1440 (Visible) 704×576 (Thermal)
	Image Encoding Format	JPEG		
	Audio Compression	G.711A/G.711Mu/PCM/AAC/MPEG2-Layer2		
	Video Compression	H.264/H.265/MJPEG		
	Main Stream (Visible)	50Hz:25fps(2560×1440), 25fps(1920×1080), 25fps(1280×720); 60Hz:30fps(2560×1440), 30fps(1920×1080), 30fps(1280×720);		

Technical Index		RTPZ-PT4S4	-PT464	-PT434
	Main Stream (Thermal)	50Hz:25fps (1280×1024); 60Hz:30fps (1280×1024)	50Hz:25fps (704×576); 60Hz:30fps (704×480)	50Hz:25fps (704×576); 60Hz:30fps (704×480)
	Sub Stream (Visible)	50Hz:25fps(1920×1080), 25fps(1280×720), 25fps(704×576); 60Hz:30fps(1920×1080), 30fps(1280×720), 30fps(704×480)		
	Sub Stream (Thermal)	50Hz:25fps (1280×1024); 60Hz:30fps (1280×1024)	50Hz:25fps (704×576); 60Hz:30fps (704×480)	50Hz:25fps (704×576); 60Hz:30fps (704×480)
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	AC 24V		
	Communication Interface	RJ45 self-adaptive 10M/100M Ethernet port		
	Audio Input	1channel		
	Audio Output	1channel		
	Video Output	1.0V[p-p]/75Ω, PAL or NTSC, BNC head		
	Alarm Input	7 channels		
	Alarm Output	2 channels		
	Storage Interface	Support Micro SD card (Max.256G), hot swap		
	RS485	1 channel		
General	Operating Conditions	-40℃~+70℃; <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	75W		
	Dimensions(mm)	250× 472× 360(W×H ×L)		
	Weight	14KG		

Effective 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)
75mm	9.6km	3.1km	2.4km	0.8km	1.2km	0.4km
25mm	3.2km	1.0km	0.8km	0.3km	0.4km	0.1km

Structural Drawings

