



Dual-Spectrum PTZ Network Camera



## **Product Feature**

- 1. With the latest Rhodium 12 $\mu m$  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  $\sim$  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		
	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		
Thermal	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.				
	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				
Visible	FOV	Horizontal: 61°∼2.0°				
	Min. Illumination	Color: 0.004Lux/F1.5 B/W: 0.0004Lux/F1.5				
	WDR	Support				
	Day /Night	Manual/Auto				
	DNR	3D NR				
PTZ	Pan Range	Pan: 360° Continuous Rotate				
	Pan Speed	Configurable, 0.1°∼100°/s				
	Tilt Range	Tilt: -90°∼+40°				



Technical Index		RTPZ-PT4S4	-PT464	-РТ434		
	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					
	3D Positioning yes					
	Power Off Memory	yes				
	Speed Setup	Speed adaptation to foca	laptation 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	neduled Task Preset/Pattern Scan/Patrol Scan/ Linear Scan/Panorama Sca				
	Anti-burn					
	Remote Power-off Reboot	yes				
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 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);				

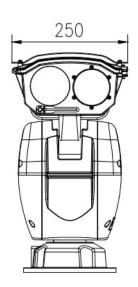
Technical Index		RTPZ-PT4S4	-PT464	-PT434		
	Main Stream (Thermal)	50Hz:25fps (1280×1024); 60Hz:30fps (1280×1024)	50Hz:25fps (704×576); 60Hz:30fps (704×480)	50Hz:25fps (704×576); 60Hz:30fps (704×480)		
	Sub Stream (Visible)	50Hz:25fps(1920×1080), 25fps(1280×720), 25fps(704×576); 60Hz:30fps(1920×1080), 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)		
	Fire Detection	yes				
	Zoom Linkage	yes				
Smart Function	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				
	Power Supply	AC 24V				
	Communication Interface	RJ45 self-adaptive 10M/100M Ethernet port				
	Audio Input	1channel				
0 - 1	Audio Output	1channel				
System Interface	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°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	75W				
	Dimensions(mm)	250× 472× 360(W×H ×L)				
	Weight	14KG				

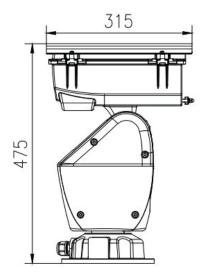
## **Effective Distance**

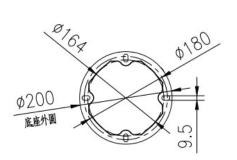
The recommended distance of detecting, recognizing and identifying for man  $(1.8 \times 0.5 \text{m})$  and vehicle  $(1.4 \times 4.0 \text{m})$  are as follows:

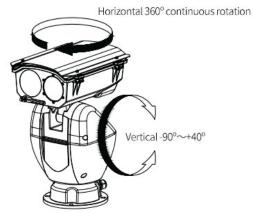
Lens	DD (Vehicle)	DD (Man)	RD (Vehicle)	RD (Man)	ID (Vehicle)	ID (Man)
75mm	9.6km	3.1km	2.4km	0.8km	1.2km	0.4km
25mm	3.2km	1.0km	0.8km	0.3km	0.4km	0.1km

## **Structural Drawings**









The rotation radius is about 300mm