



Dual-spectrum PTZ Network Camera

R434





Features

1. With the latest 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 640*512 Together with 4 MP 37x visible light camera.
3. Support 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 smoke 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

Camera Specifications

Product Specifications		R434 - Dual-spectrum PTZ Network Camera
Technical Index		
Thermal	Sensor Type	VOx uncooled FPA detector
	Spectral Range	8 ~ 14 μ m
	NETD	≤ 40 mK(@25°C,F#1.0,25Hz)
	Max. Resolution	640*512
	Pixel Pitch	12 μ m
	Focal Length	75mm
	Focus Mode	Auto/Manual
	FOV	5.9°×4.7°
	F number	F1.0
	Spatial Resolution	0. 160mrad
	Color Palette	18 modes selectable such as Blackhot/Whitehot/Rainbow,etc.
Visible	Image sensor	1/1.8inch 4MP CMOS
	Max. Resolution	2688×1520
	Focal Length	6.5 ~ 240mm 37× optical zoom
	Focus Mode	Auto / Manual / One-shot auto
	FOV	61.8°×37.2°~ 1.86°×1.05°
	Min. Illumination	Color : 0.005Lux/F1.4 B/W : 0.0005Lux/F1.4
	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°

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	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	2688×1520 (Visible)	2688×1520	2688×1520
		1280×1024 (Thermal)	(Visible) 704×576 (Thermal)	(Visible) 704×576 (Thermal)
	Image Encoding Format	JPEG		
Audio	G.711A/G.711Mu/PCM/AAC/MPEG2-Layer2			

Compression	
Video Compression	H.264/H.265/MJPEG
Main Stream (Visible)	50Hz:25fps(2688×1520), 25fps(1920×1080), 25fps(1280×720); 60Hz:30fps(2688×1520), 30fps(1920×1080), 30fps(1280×720);

Technical Index		R434 - Dual-spectrum PTZ Network Camera		
	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°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

Structural Drawings

