

Dual-spectrum PTZ Network Camera IRS-PT6 Series



Product Feature

- 1. The latest InfiRay® 12µm uncooled IR detector makes the images farther and clearer.
- 2. The high-definition digital camera and tele-lens make high-accuracy and long distance imaging possible for 24/7 monitoring.
- 3. High-speed and high accuracy PTZ, support 5 scanning styles and 17 scan tracks with speed memory.
- 4. The professional platform software supports intelligent infrared video analysis, which can satisfy the needs of forest fire prevention and smart fire fighting.



Camera Specifications

Models	IRS-PT6S4			
Thermal				
Sensor Type	VOx uncooled FPA detector			
Spectral Range	8~14µm			
NETD	≤40mK(@25°C,F#1.0,25Hz)			
Max. Resolution	1280×1024			
Pixel Pitch	12µm			
Focal Length	30~150mm, 25~225mm			
Focus Mode	Auto/Manual			
FOV	28.7°×23.1°~5.9°×4.7°, 34.2°×27.6°~3.9°×3.1°			
F number	F1.0~F1.2, F1.09~F1.5			
Spatial Resolution	0.080~0.400mrad, 0.053~0.480mrad			
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	6~300mm 50×optical zoom			
Focus Mode	Auto / Manual / One-shot auto			
FOV	Horizontal: 62° ~ 1.6°			
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: 0.01°~30°/s			
Tilt Range	Tilt-90°~+90°			
Tilt Speed	Configurable: 0.01°~15°/s			
Preset Accuracy	±0.01°			
Presets	256			
Patrol Scan	8, up to 255 presets per patrol			
Pattern Scan	4			

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Linear Scan	4			
Panorama Scan	1			
3D Positioning	yes			
Power Off Memory	yes			
Tele Speed Setup	Speed adaptation to zoom ratio			
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,IGMP,SMTP,NTP,QoS			
Interoperability	ONVIF, GB28181, SDK			
Simultaneous live view	Up to 20 channels			
User Management	Up to 20 users, 3 levels: Administrator, Operator and User			
Browser	IE8+, multiple languages (at least Chinese and English)			
Video				
Max. Resolution	2688×1520 (visible) , 1280×1024 (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(2688×1520), 25fps(1920×1080), 25fps(1280×720); 60Hz:30fps(2688×1520), 30fps(1920×1080), 30fps(1280×720); Thermal (1280×1024) : 50Hz:25fps(1280×1024); 60Hz:30fps(1280×1024);			
Sub Stream	Visible: 50Hz:25fps(1280×720), 25fps(704×576); 60Hz:30fps(1280×720), 30fps(704×480); Thermal (1280×1024) : 50Hz:25fps(1280×1024);			

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	60Hz:30fps(1280×1024);		
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		
Communication Interface	RJ45 self-adaptive 10M / 100M Ethernet port		
Audio Input	1 channel		
Audio Output	1 channel		
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, support Pelco protocols		
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 Protection	support protection on overvoltage, undervoltage and reverse connection		
Power Consumption	200W		
Dimensions (mm)	746× 748× 437mm (W×H ×L)		
Weight	42KG		

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Operating Distance

The recommended distance of detecting, recognizing and identifying for human (1.8×0.5m) and vehicles (1.4×4.0m) are as follows:

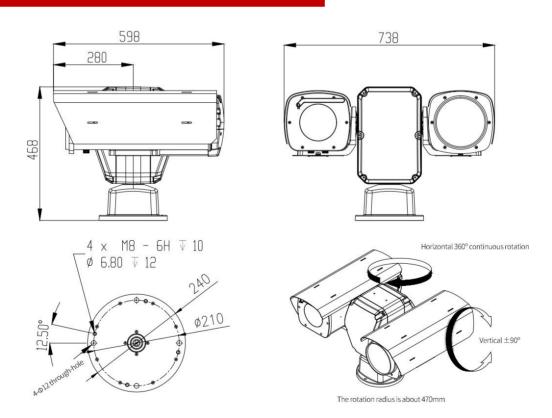
DD stands for Detecting Distance;

RD stands for Recognizing Distance;

ID stands for Identifying Distance;

Lens	DD (Vehicle)	DD (Users and)	RD	RD (Usersan)	ID (Valida)	ID (Usansas)
	(VCIIICIC)	(Human)	(Vehicle)	(Human)	(Vehicle)	(Human)
25mm	3.2km	1.0km	0.8km	0.3km	0.4km	0.1km
30mm	3.8km	1.3km	1.0km	0.3km	0.5km	0.2km
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

Camera Structure and Dimensions



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Package List

No.	Name	Qty	Notes
	PT	1	
	H5 Allen wrench	1	
	binding post	1	
	waterproof casing for network cable	1	
1	lifting bolt	2	
	M6*25 screws (with flat washer and spring washer)	16	
	M4*16 thumb screw (with seal ring)	10	
	M4*20 thread-off proof screw (with flat washer, spring washer, seal ring and lifting post)	12	75000
	wiring cover board	2	
2	protective cover for visible light	1	
2	sun-shield cover	1	
3	protective cover for thermal imaging	1	
	sun-shield cover	1	

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4 power	1
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