Dual-spectrum PTZ Network Camera IRS-PT6S4

Product Feature

- Clearer imaging with the latest 12μm uncooled infrared detector and leading infrared image algorithm.

- Visual and thermal dual-spectral and 1.3MP high-definition imaging to satisfy 24/7 security monitoring.

- Support 30~150mm, 25~225mm continuous zoom infrared lens to satisfy long-distance detection

- 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 ONVIF, GB28181 standard protocols， provide SDK, matched NVR and VMS Software

Camera Specifications

Technical Index		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/One-shot Auto	
	FOV	28.7°×23.1°~5.9°×4.7°	34.2°×27.6°~3.9°×3.1°
	F#	F1.0~F1.2	F1.09~F1.5
	Spatial Resolution	0.080~0.400mrad	0.053~0.480mrad
	Color Palettes	20 kinds 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	
	Defog	Support optical defog	
PTZ	Pan Range	360° continuous	
	Pan Speed	0.01°～120°/s	
	Tilt Range	-90°～+90°	
	Tilt Speed	0.01°～60°/s	
	Scan Mode	Preset/Tour/Patrol Scan/Linear Scan/Pattern 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	Support IE+, support multilingual	
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(2688×1520,1920×1080,1280×720) 60Hz:30fps(2688×1520,1920×1080,1280×720) Thermal: 50Hz:25fps(1280×1024,1280×720,1024×768)	

Technical Index		PT6S4
	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	Support
	Zoom Linkage	Support
	Smart Record	Alarm trigger recording, disconnection trigger recording (continue transmission after connection)
	Smart Alarm	Support alarm trigger of network disconnection, IP address conflict, SD card full, SD card error, illegal access, abnormal detection
	Smart Detecting	Support smart video analysis such as tripwire, cross-border, and region intrusion
	Alarm Linkage	Recording/Snapshot/E-mail/PTZ linkage/Alarm output
System Interface	Power Supply	DC 48V±15%
	Communication Interface	RJ45 self-adaptive 10M / 100M Ethernet port
	Audio Interface	1 channel input, 1 channel output
	Alarm Interface	7-channel input，2-channel output
	Storage Interface	Support Micro SD card（Max. 256G）
	Control Interface	1-channel RS485
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	Max.200W
	Dimension	598mm×738mm×468mm(W×H×L)
	Weight	48KG

Operating Distance

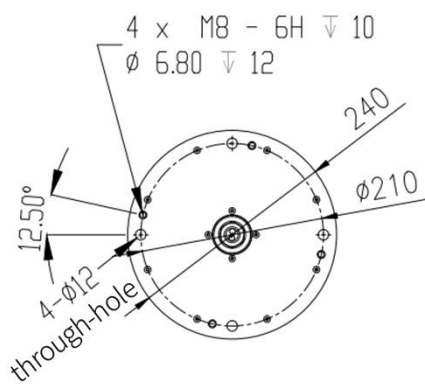The recommended distance of detecting, recognizing and identifying for human (1.8×0.5m) and vehicles (1.4×4.0m) are as follows:
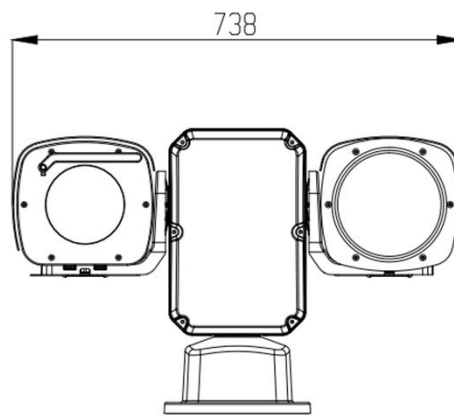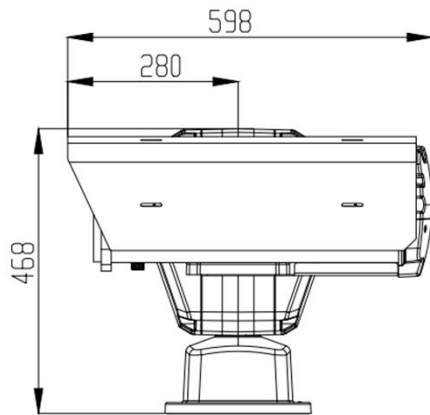
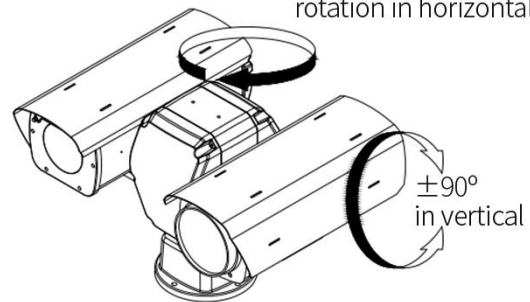DD stands for Detecting Distance;

RD stands for Recognizing Distance;

ID stands for Identifying Distance;

Lens	DD (Vehicle)	DD (Human)	RD (Vehicle)	RD (Human)	ID (Vehicle)	ID (Human)
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

598
280
468

738

4 x M8 – 6H ⊽ 10
Ø 6.80 ⊽ 12
240
Ø210
12.50°
4-Ø12
through-hole

360° continuous rotation in horizontal

±90° in vertical

470mm: PTZ turning radius is about 470mm

This datasheet is subject to change without prior notice. Please contact us to get the latest datasheet.