

# MoviSight

## Long Range Multi-spectral PTZ Network Camera

### MS-7PC5S4



#### Product Feature

- Clearer imaging with the latest generation 12 $\mu$ m uncooled infrared detector and leading infrared image algorithm.
- Visual and thermal dual-spectrum imaging, meet the needs of 24/7 safety surveillance.
- Support motorized-focus and 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 Pan/Tilt, encapsulation rating IP66
- Support single-IP, dual-channel network video transmission, transmit visible video and infrared video simultaneously.
- Support ONVIF standard protocols, provide SDK, matched NVR and software

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## Product Specifications

Technical Index		Multi-spectral PTZ		
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	100mm	150mm	30~150mm
	Focus Mode	Auto/Manual/One-shot Auto		
	FOV	8.8°×7.0°	5.9°×4.7°	28.7°×23.1°~5.9°×4.7°
	F number	F1.0	F1.2	F1.0~F1.2
	Spatial Resolution	0.12mrad	0.08mrad	0.4~0.08mrad
	Color Palettes	20 modes selectable such as Blackhot/Whitehot/Rainbow,etc.		
	Image Stabilization	Support EIS		
Visible	Image Sensor	1/1.25 inch 4MP CMOS		
	Max. Resolution	2688×1520		
	Focal Length	10~550mm		
	Focus Mode	Auto / Manual / One-shot auto		
	FOV	58.2°×34.8°~1.2°×0.7°		
	WDR	Support		
	Day /Night	Manual/Auto		
	Defog	Support optical defog		
IR Illuminator (Optional)	Laser Spectral Range	808nm		
	Illuminating Distance	800m, 1500m		
LRF (Optional)	Laser Spectral Range	905nm, 1535nm		
	Measurement Distance	2km, 3km, 6km		
PTZ	Pan Range	360° continuous		
	Pan Speed	0.1°~100°/s		
	Tilt Range	-90°~+90°		
	Tilt Speed	0.1°~60°/s		

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Technical Index		Multi-spectral PTZ
	Scan Mode	Preset/Tour/Area Scan/Linear Scan/Pattern Scan/Comprehensive Patrol
Network	Protocols	TCP/IP,UDP,ICMP,HTTP,HTTPS,FTP,DHCP,DNS,RTSP,RTCP,IGMP,SMTP, NTP, QoS
	Interoperability	ONVIF/SDK
	Simultaneous live view	Up to 20 channels
	User Management	Up to 20users, 2 levels: Administrator and User
	Browser	Edge, Google Chrome, Mozilla Firefox,etc.
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(2688×1520,2560×1440, 1920×1080) 60Hz:30fps(2688×1520,2560×1440,1920×1080) Thermal: 50Hz:25fps(1280×1024,1024×768)
	Sub Stream	Visible: 50Hz:25fps(1920×1080,1280×720,704×576,352×28) 60Hz:30fps(1920×1080,1280×720,704×480,352×24) Thermal: 50Hz:25fps(640×512,320×256)
Smart Function	Smoke&Fire Detection	Yes
	Fire Point Detection	Yes
	Temperature Measurement	Support fire point temperature measurement
	Radar Linkage	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 Detection	Support smart video analysis such as tripwire, boundary-crossing, and region intrusion, support human/vehicle/vessel classification

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Technical Index		Multi-spectral PTZ
	Alarm Linkage	Recording/Snapshot/Sending Email/PTZ linkage/Alarm output
<b>System Interface</b>	Power Supply	DC 48V±15%
	Communication Interface	RJ45 self-adaptive 10M/100M Ethernet port
	Audio Interface	1channel input, 1 channel output
	Alarm Interface	1-channel input, 1-channel output
	Storage Interface	Support Micro SD card (Max.512G)
	Communication Interface	1-channel RS485
<b>General</b>	Operating Conditions	-40℃~+70℃;<90%RH
	Protection Grade	IP66,TVS 6000V Lightning Protection, Surge Protection and Voltage Transient Protection
	Power Consumption	Max.300W
	Dimensions(mm)	623.6mm×398.5mm×350mm(W×H×L)
	Weight	30KG

## Effective Range

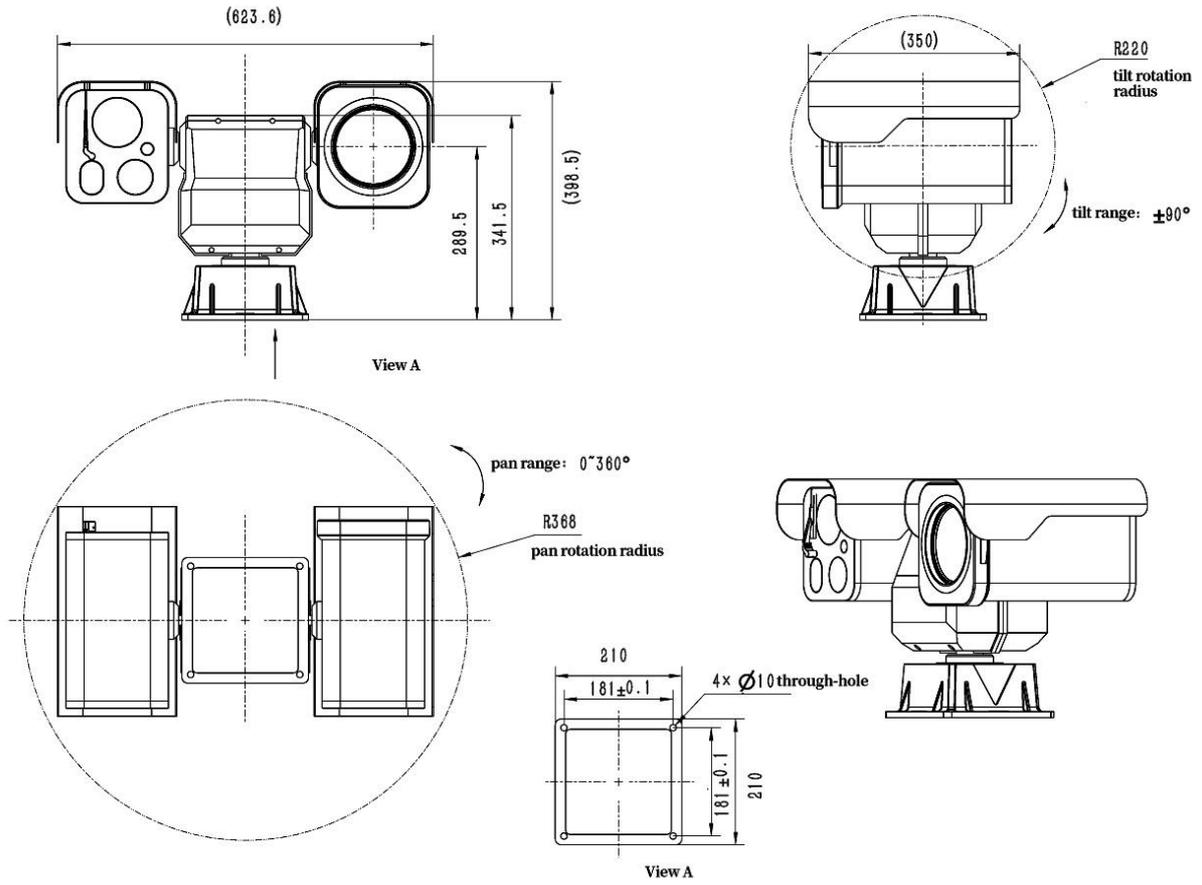
The recommended distance of detection, recognition and identification for human (1.8×0.5m) and vehicle (1.4×4.0m) are as follows:

- DD stands for Detection Distance;
- RD stands for Recognition Distance;
- ID stands for Identification Distance;

Lens	DD (Vehicle)	DD (Man)	RD (Vehicle)	RD (Man)	ID (Vehicle)	ID (Man)
100mm	12.8km	4.2km	3.2km	1.0km	1.6km	0.5km
150mm	19.2km	6.3km	4.8km	1.6km	2.4km	0.8km

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## Structural Drawings



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