

MS-7UM6xx-P

Infrared Panoramic E.O.S



Product Features

- Adopts the latest 12μm uncooled infrared detector and advanced algorithms for clearer, longer-range imaging.
- 360° visual panoramic monitoring ensures 24/7, all-weather security coverage.
- Lightweight and portable for quick deployment, ideal for temporary needs.
- Integrates with the audible-visual system to meet the requirements of critical infrastructures.
- Built-in embedded platform supporting intelligent recognition algorithms for targets such as people and vehicles to enhance recognition accuracy.
- Multi-target trajectory tracking enables real-time alarm and tracking of intrusion targets such as people and vehicles.
- Supports ONVIF standard protocols, and provides SDKs with matched NVRs and software.

Product Specifications

Technical Index		Infrared Panoramic E.O.S		
Image	Sensor Type	Uncooled VOx infrared detector		
	Spectral Range	8~14μm		
	NETD	≤35mK(@25°C,F#1.0,25Hz)		
	Max. Resolution	640×512		
	Pixel Pitch	12μm		
	Focal Length	19mm	25mm	35mm
	Image Resolution	9900×512	13000×512	18322×512
	Focus Mode	Athermalization		
	FOV	360°×18.4°	360°×14°	360°×10°
	F Value	F1.0		
	Spatial Resolution	0.632mrad	0.48mrad	0.343mrad
	Palettes	White-hot		
	Parfocal	Athermal / consistent focus over temperature		
	Parfocal	Athermal / consistent focus over temperature		
PTZ	Pan Range	360°		
	Tilt Range	+10° (down)~-10°(up)		
	Scan Mode	Preset, Tour, Patrol Scan, Linear Scan, Pattern Scan, Comprehensive Patrol		
Network Function	Network Protocols	TCP/IP,UDP,ICMP,HTTP,HTTPS,FTP,DHCP,DNS,RTP,RTSP,RTCP,IGMP,SMTP, NTP, QoS		
	Platform Access	ONVIF/SDK/API		
	Simultaneous Live View	Up to 8 channels		
	User Management	Up to 32 users, 3 Levels: Administrator, Operator, and User		
	Browsers	Support browsers like Chrome and Edge in Chinese and English		
Video	Max. Resolution	640×512 (thermal)		
	Image Encoding Format	JPEG		
	Video Compression	H.264/H.265/MJPEG		
Smart Function	Smart Recognition	Intelligent analysis algorithm and human/vehicle classification		
	Smart Record	Triggered upon alarms or network failures (continue to transmit after recovery)		
	Smart Alarm	Support abnormality detection and linkage alarm for network cable disconnection, IP address conflict, memory error, and illegal access		
	Smart Detecting	Support detection of regional intrusion and tripwire intrusion		

	Alarm Linkage	Video taking/Image capture/Email/Linked PTZ/Alarm output
System Interface	Power Interface	DC18v~36v (typical voltage 24 V)
	Communication Interface	One RJ45 10 M/100 M adaptive Ethernet port
	Storage Interface	Support Micro SD card (up to 1TB)
	Communication Port	1-channel RS422 interface, supporting Pelco protocol expansion
General	Operating Conditions	-40°C~+60°C; <90% RH
	Protection Grade	IP66
	Power Consumption @25°C	≤25W@25°C (Typical, to be verified)
	Dimensions	112×116×189mm(W×H×L)
	Mounting Type	Pedestal mounted
	Weight	2.3kg

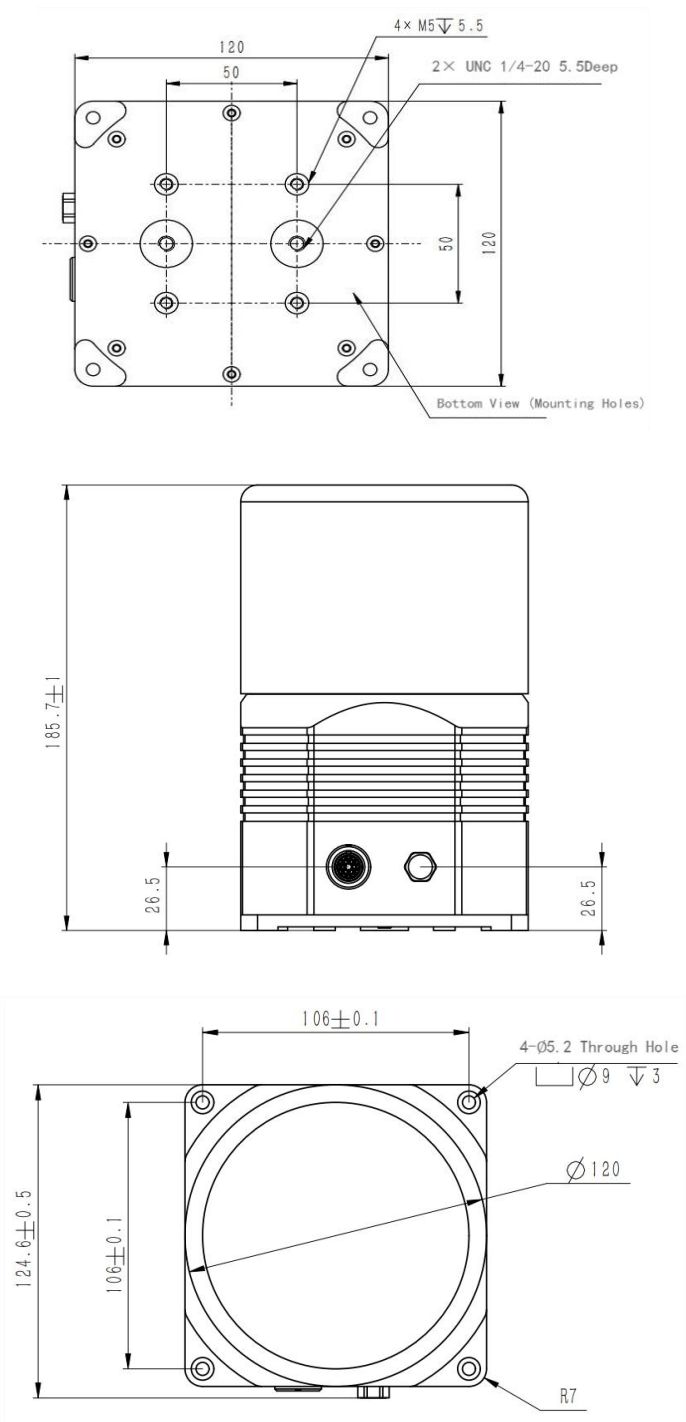
Effective Range

The recommended distances 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 (Human)	RD (Vehicle)	RD (Human)	ID (Vehicle)	ID (Human)
19mm	2.4km	0.8km	0.6km	0.2km	0.3km	0.1km
25mm	3.2km	1.0km	0.8km	0.26km	0.4km	0.13km
35mm	4.5km	1.4km	1.1km	0.36km	0.56km	0.18km

Structural Drawings



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