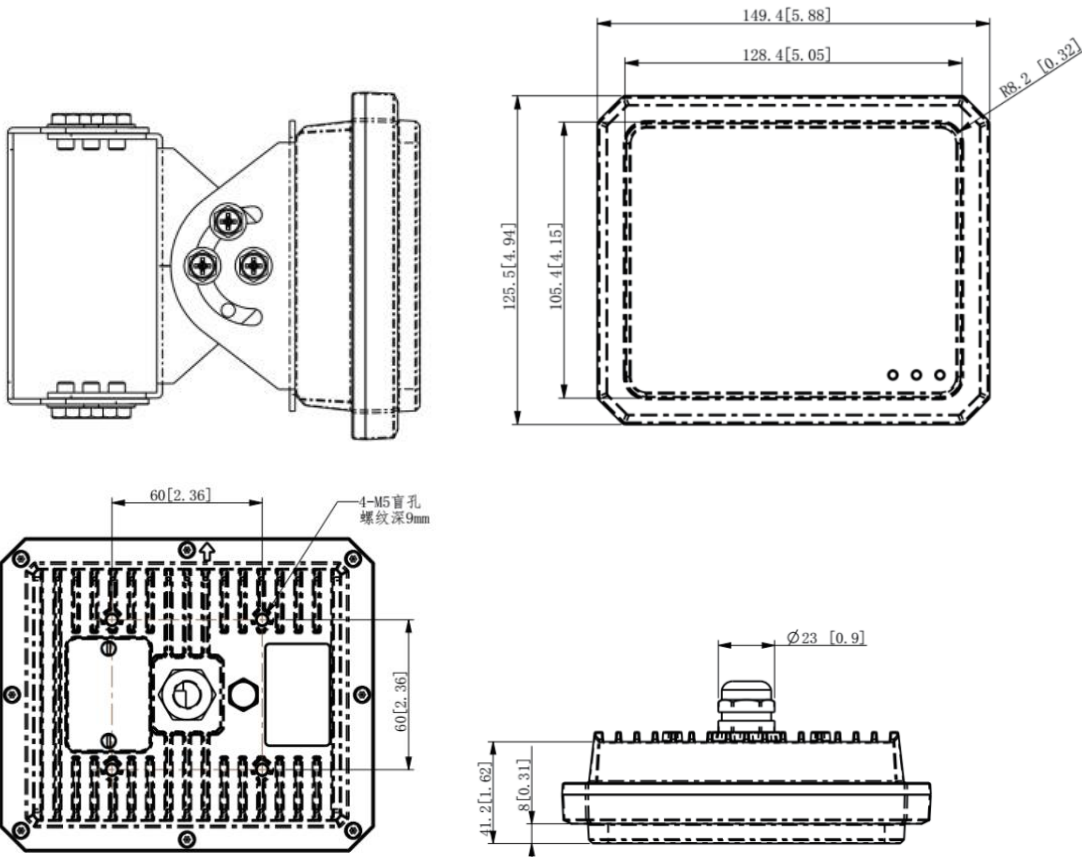


MS-7SMWR01A

Wide Area Radar



Dimensions (mm)



Specification

Radar Characteristics	
Radar Sensor	FMCW
Radar Output Data	Distance, direction, angle
Transmit Frequency	61.2 to 61.5 GHz
Refresh Rate	10 Hz
EIRP	22 dBm
Power Consumption	3 W
Detection Performance	
Target Identification	Small animals, people, vehicles
Recognition Pattern	Radar triggers an alarm, linkage video review
Detection Range (Pedestrian)	1 ~ 60 m
Detection Range (vehicle)	1 ~ 60 m
Detection Accuracy	±0.5 m
Detection Resolution	0.67 m
Speed Range	0.5 m/s ~ 30 m/s
Speed Accuracy	0.03 m/s
Speed Resolution	0.06 m/s
Angle Accuracy	±1°
FOV	Azimuth: 120°, Elevation: 22°
Hardware Characteristics	
Communication Protocol	UDP, TCP, RS485
Network Interface	1 RJ45 10M/100M (PoE)
Alarm Interface	2ch output, 1ch input
RS485	Support
Relay	2ch output
Physical Characteristics	
Power Supply	12 VDC / PoE (IEEE802.3af)
Working Temperature	-40 ~ 75°C
Storage Temperature	-40 ~ 85°C
Dimension	149.4 × 125.5 × 45.2 mm
Protection Grade	IP66