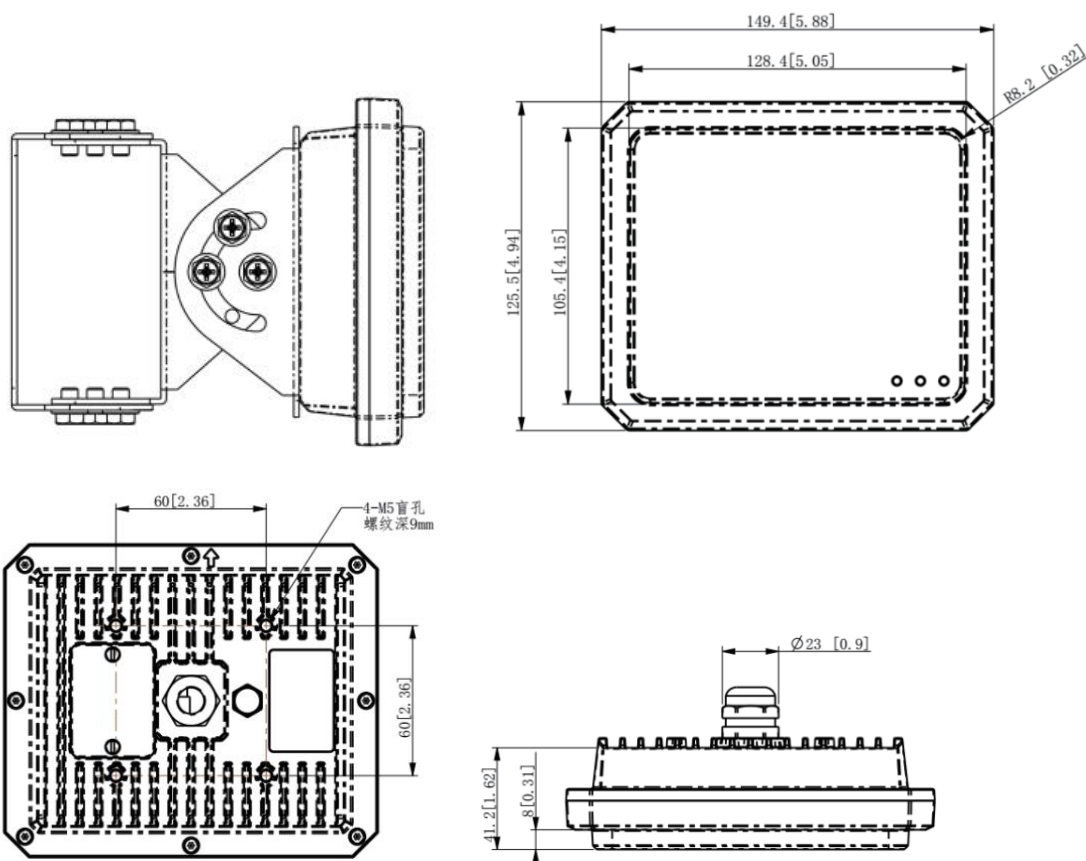


# SN-SMWR01A

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                                          |