

ES-IR-A75

Infrared Panoramic Radar

This infrared panoramic radar uses a 12-micron uncooled core component, operating without a shutter or TEC , ensuring stable infrared image capture even during continuous rotation, with clear imaging and no lag. The system is developed based on thermal infrared imaging technology, integrating advanced optical stabilization and image processing techniques, providing fast 360° wide-area real-time monitoring, and equipped with intelligent target detection, recognition, and tracking capabilities.



Specifications

| Detector Parameters | |
|------------------------------|--|
| Type | Uncooled VOx Microbolometer |
| Resolution, Pixels | 640×512 |
| Spectral Band | 8~14μm |
| Optical Parameters | |
| Objective Lens | 75mm |
| Horizontal field of View | 360° |
| Vertical Field of View | 5.9° |
| Pitch Angle Adjustment Range | -35°~+20° |
| Detection Range(UAV) | 1880m |
| Detection Range (Human) | 7090m |
| Detection Range(Car) | 9590m |
| Detection Range(Boat) | 33340m |
| Physical Parameters | |
| Electricity Supply | 24V |
| Average Power Consumption | <140W |
| Image Data Output Interface | Network Port |
| Protection Rating | IP65 |
| Operation Temperature | -40°C~+60°C |
| Weight | 13Kg |
| Dimensions | 340X340X402mm |
| Usage Scenarios | Factories, Ports, Key Sites, Airports, Border Security |



Panoramic View



Real-Time Search



Multi-Target Tracking



Virtual Perimeter



Smart Sensing



All-Day Timing



High-Definition (HD) Quality



Adaptation To Harsh Environments



High Reliability



Intelligent Visible Light Integration