

# 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

