



# ***Sunon EO/IR Observation Unit***



## Vehicle Mounted

The Vehicle Mounted Electro Optical and Infrared (EO/IR) Observation System is designed to provide mobile units with continuous, high quality visual and thermal monitoring. Engineered for vehicle deployment, this system enables operators to maintain clear situational awareness across day and night conditions, supporting mobile observation and area monitoring in dynamic environments.

With advanced optical and thermal zoom capabilities, the system ensures long range detection and verification of aerial and ground activity. Real time network-based video output allows for seamless integration into centralized monitoring platforms, giving operators reliable visual information whenever and wherever it is needed.

## Key Features

- Vehicle-mounted EO/IR camera system for mobile deployment
- Continuous day and night visual monitoring
- Long-range optical and thermal zoom capabilities
- Fixed installation on vehicle roof or mast for stable observation
- Real-time network-based video output for monitoring or integration
- Designed for mobile observation and area monitoring applications

## Technical Specifications

EO / IR Camera System	
Operating Distance	Up to 500 meters (for aerial observation)
Visible Camera	8 mm – 500 mm lens, 1920 × 1080 resolution
Thermal Camera Resolution	640 × 512
Thermal Lens	31 mm – 155 mm, continuous 5× zoom

Interface & Power	
Network Interface	RJ-45 Ethernet
Power Supply	AC 220 V ±20%, 50 Hz

## Static Ground-Mounted

Enhance your aerial observation capabilities with our Static Ground-Mounted EO/IR Imaging System—a robust solution for continuous, high-quality visual monitoring of objects within your airspace. Designed for installation on rooftops, towers, or other elevated fixed structures, this system provides reliable, uninterrupted observation without the need for mobile or airborne platforms.



## Key Features

- Static EO/IR Imaging System – Permanently installed for stable, long-term observation.
- Day & Thermal Imaging Capability – Captures clear images both in visible light and thermal spectrum.

- Long-Range Visual Observation – Effective detection and monitoring of objects up to 1 km.
- Integrated Laser Range Measurement – Accurate distance measurement to targets.
- All-Weather, Day-Night Operation – Maintains performance under varying environmental conditions.
- Fixed Rooftop / Tower Installation – Ideal for elevated structures to maximize field of view.

## Technical Specifications

<b>EO / IR Camera System</b>	
• Day Camera	
Operating Distance	Up to 1 km
Resolution	1920 × 1080
• Thermal Camera	
Working Distance	Up to 1 km
Resolution	640 × 512
• Laser Range Finder	
Laser Type	905 nm
Measurement Range	Up to 1 km
• Environmental	
Operating Temperature	-40°C to +60°C
• Electrical	
Power Supply	AC 220V ±20%, 50 Hz