



SUNON
TECHNOLOGY

***Vehicle Mounted RF Awareness
and Airspace Protection System***



The Vehicle Mounted RF Awareness and Airspace Protection System is designed to provide mobile units with reliable detection and management of aerial signal activity. Engineered for operational vehicles, the system continuously monitors the surrounding radio frequency (RF) environment, enabling early recognition of unusual or unauthorized drone related signals.

By integrating wideband RF sensing and controlled signal management, the platform helps maintain operational continuity and safe airspace conditions around critical areas. This solution allows mobile units to establish a robust RF awareness layer without relying solely on visual observation, ensuring situational clarity in dynamic environments.

Key Features

- ▶ Vehicle mounted RF detection and monitoring system
- ▶ Wideband frequency coverage across multiple signal bands
- ▶ Long range detection capability up to 5 km
- ▶ 360° omnidirectional signal monitoring for full area awareness
- ▶ Integrated signal management functionality to support safe airspace operations
- ▶ Designed for flexible, mobile perimeter monitoring

Technical Specifications

Detection System

Frequency Coverage (Main Bands)	2.4 GHz, 5.8 GHz, 433 MHz, 800 MHz, 900 MHz, 1.4 GHz, 5.2 GHz
Detection Range	Up to 5 km
Coverage Angle	360° omnidirectional

Signal Management System

Frequency Coverage (Main Bands)	GPS / GLONASS, 2.4 GHz, 5.8 GHz, 900 MHz
Effective Range	Up to 1.5 km (protected coverage area)