

DRONE DETECTION

MILITARY DRONES

MODIFIED DRONES

HARD-TO-DETECT SIGNALS

AUGMENT C-UAS WITH RF TECHNOLOGY

- Non-library-based detection
- Supports cross-domain operations
- Customizable signal detectors
- Real-time signals intelligence
- Proven TRL-9 in real world deployments
- Signal Discovery for hard-to-detect drones

SILVUS
TECHNOLOGIES
a Motorola Solutions Company

RFeye®

PROVIDING MULTI-SENSOR COUNTER-UAS WITH SIGNALS INTELLIGENCE EARLY WARNING CAPABILITY

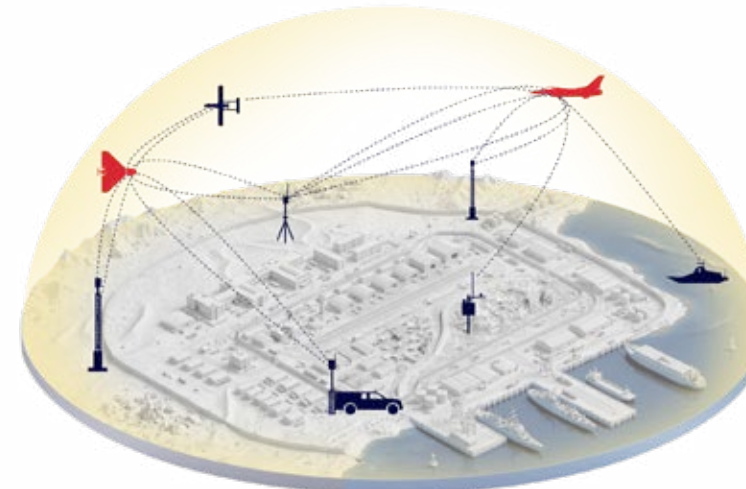
RFeye technology is already protecting CNI, military infrastructure, and forces across the globe from the threat of drones. Acting as an early warning system, netted RF sensors provide critical early warning detection capability to layered drone defenses.

The system operates effectively under EMCON, enabling detection of low-RCS objects while reducing the rate of false positives. Using a non-library-based approach, it focuses on detecting the signal rather than the drone, and provides automated geolocation of signals of interest.

DESIGNED FOR:

- Base protection
- Force protection
- Critical National Infrastructure
- Battlefield surveillance
- Border security monitoring
- ISR

DISTRIBUTED SENSOR NETWORK OFFERS PROTECTION OF CRITICAL INFRASTRUCTURE UP TO 20KM



DRONE DETECTION OPERATIONAL WORKFLOW

1. Persistently monitor the spectrum for known and unknown emissions.
2. Identify and characterize signals of interest in real time. Use Signal Discovery for advanced detection and analytics.
3. Geolocate signals with high precision using 3D TDoA or line-of-bearing at longer distances.
4. Stream real-time RF intelligence to C2.



SCAN TO START
A CONVERSATION

LEARN MORE ABOUT DRONE DETECTION



Achieving spectrum dominance across multiple military airbases



Detect drones without emitting a signal



Why use signal detectors rather than mask-based triggering?

RFEYE 100-18 LW

High performance lightweight EW payload (<2kg) for small to medium UAVs.



RFEYE NODE PLUS 100-18

Superfast 18GHz sensor. High Full 100 IBW capture, record and stream.



RFEYE NODE 100-40

Wideband RFeye Node 100-40 sensor for (9kHz-40GHz).



FIND HARD TO DETECT DRONES WITH RFEYE SITE SOFTWARE

Real-time spectrum monitoring & geolocation toolkit

