

SRF86

ReSCAN omni/df

Ruggedised and passive Radio Frequency-based drone detection on for (not only) On-The-Move-Missions.

DISTINCTIVE ADVANTAGES

– VERSATILE DEPLOYMENT

The ReSCAN omni/df is a lightweight durable RF-based device, designed for easy integration to land vehicles, sea vessels as well stationary installations.

– MULTI-MODULAR PERFORMANCE

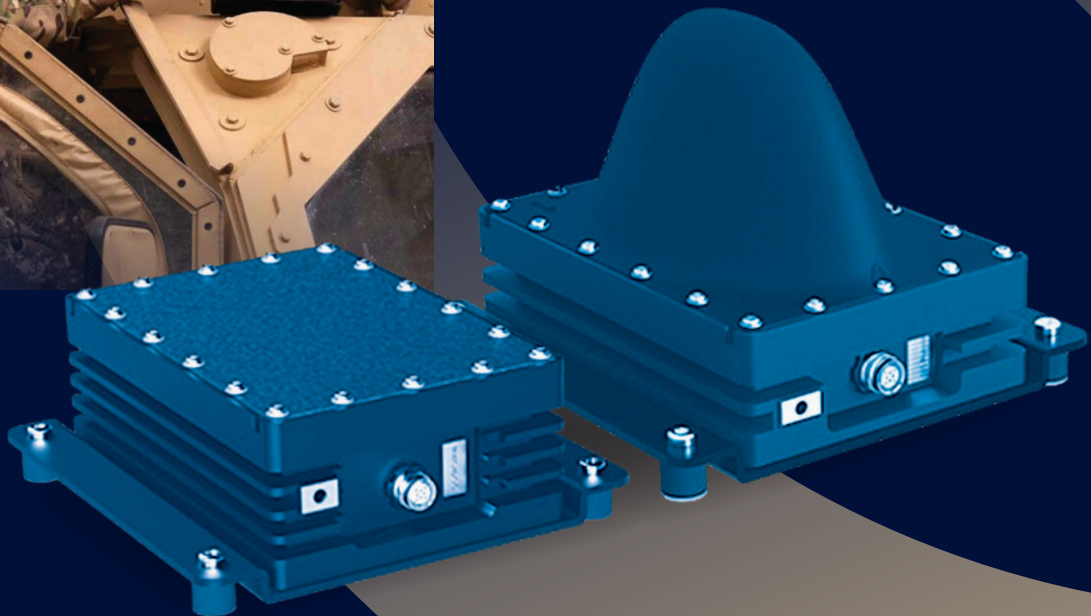
Combine ReSCAN omni and ReSCAN df for full-spectrum detection, optimising range and coverage.

– SEAMLESS INTEGRATION

Fully compatible with C2 Situational Awareness System, supporting multi-layered C-UAS strategies.

– MISSION-TAILORED SUPPORT

Flexible installation and expert advice ensure optimal performance for any operation.



**EXTREME
TEMPERATURES**



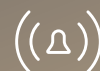
**WATERPROOF
IP67**



**DIRECTIONAL
ANTENNAS**



**LONG RANGE
DETECTION**



**ALARMS
PROVIDED**

ReSCAN omni & ReSCAN df DETECTORS

The ReSCANS are compact, rugged RF-based devices designed to detect drones and their controllers. Ideal (not only) for mobile missions, they can be mounted on land vehicles, sea vessels, masts, or walls.

ReSCAN omni enables comprehensive coverage with omnidirectional detection at lower frequencies. The side-mounted ReSCAN df offers precise 90-degree detection at higher frequencies. They can

be installed independently, however multi-modular configuration maximises performance and extends the range of operating frequencies, ensuring optimal detection and coverage.

Situational Awareness is mission-essential. Integrate with our existing Situational Awareness software or any other C2 using existing API. Installation and integration are possible on a wide range of platforms.



DIRECTION FINDING

With accuracy within 5°



PASSIVE DETECTION

Enables operators to remain undetected



DETECT DRONES & CONTROLLERS

For comprehensive awareness of the threat



EXTENSIVE DRONE LIBRARY

Enables accurate classification and low false positives



SOFTWARE FIELD UPGRADES

Enables product evolution without costly hardware upgrades

SPECIFICATIONS

	ReSCAN omni	ReSCAN df
Detection Time	< 10s *	
Detection Range	Up to 3 km *	Up to 9 km *
Detection Frequency Bands	433MHz, 868MHz, 915MHz, 1.2GHz	2.4, 5.2, 5.8 GHz
Coverage Angle	Omnidirectional 360°	Horizontal 90° / Vertical 90°
Direction Finding Accuracy	N/A	5° RMS accuracy
UAS Geolocation	N/A	Multiple systems enable location triangulation
Weight	1.9 kg	1.9 kg
Dimensions	180 x 180 x 140 mm	180 x 180 x 60 mm
Operating Temperature	-30°C to 65°C	
IP Rating	IP68	
Colour	Black	
Electromagnetic Compatibility (EMC)	MIL-STD-461F, External Grounding Connection	
Environmental Testing	MIL-STD-810G	
Ruggedized	Designed to withstand vibration and shocks, dust, salt, solar radiation	
Mobile Mounting on Vehicles and Vessels	Top-Mount	Top-Mount or Side-Mount
Communication Interfaces	Ethernet	
Power Supply & Consumption	Power over Ethernet (PoE), < 15 W	
API for Software Integration	✓	

* Depending on the RF environment & line of sight