



SAAB



SIRIUS COMPACT

Where you want it. When you want it.

Compact passive surveillance for tactical applications

Sirius Compact is a modular and scalable passive Electronic Warfare (EW) sensor network, providing a true force-multiplier by enhancing situational awareness through silent detection, classification and prioritisation of radar and datalink emissions.

Sirius Compact

A compact, lightweight sensor that can rapidly be deployed and connected in a network to support tactical operations.

Autonomous operation enables assimilation and compilation of intelligence information without storing sensitive data in the sensor.

Sirius Compact enables tactical Electronic Warfare across all operational levels adding a higher level of confidence to situational awareness for decision support.





Scalable and agile

Sirius Compact is an installation and datalink agnostic sensor which can be mounted on a multitude of platforms including drones, vehicles, vessels, masts or man-portable deployments.

Sharpen your sensors

Sirius Compact enables enhanced situational awareness at all operational levels, either in a stand-alone or networked configuration.



Features

- Network of cost-effective EW sensors – "IoT of EW"
- Tactical Electronic Support (ES)
- High precision Direction Finding (DF) and geo-location
- Open integration to third-party Command & Control (C2) systems
- Sensor deployment within minutes
- No sensitive threat library data stored in the sensor

Technical data

- Frequency coverage: 2-18 GHz
- Azimuth coverage: 360°
- DF accuracy: < 2° rms
- Geo-location by triangulation
- Digital Channelised Receiver
- Interfaces: Ethernet, 18-28 VDC
- Height: 30 cm / Diameter: 14 cm
- Weight: < 3 kg
- Power: < 50 W
- Positioning: Integrated IMU/GNSS

Typical applications

- Complement to multi-sensor systems for Coastal/Border Surveillance, Ground Based Air Defence (GBAD)
- Armoured Fighting Vehicle and Combat Boat
- Unmanned Aerial Vehicle and Commercial Drone
 - Airborne surveillance
 - Manned/unmanned teaming
 - Elevated sensors
- Special Operations



One family, every signal, any domain

Sirius is a family of innovative and networked passive sensor systems based on common architecture with a domain specific edge. It provides a complete synergistic capability for Intelligence, Surveillance and Reconnaissance – beyond

the scope of individual sensors. Today these systems provide Armed Forces and Intelligence Services around the world with the silent power required to turn signals into knowledge, whilst remaining undetected.