

TacSense

Compact Tactical SIGINT System

ELI-8395

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TacSense (ELI-8395) is a compact, lightweight, integrated ELINT and COMINT sensor system configured for use on a wide range of small air (sUAS, tactical aerostat) and land (ATV, LAV) platforms, on fixed posts, or carried by infantry (manpack).

TacSense detects, accurately geo-locates, and tracks radio emissions from radars, communications systems and more. It provides a clear Situational Awareness Picture (SAP) to support territorial spectrum dominance. The system integrates the ELINT and COMINT data, enhancing its ability to perform target tracking, classification and identification. The data is consolidated and displayed on an operator's workstation and the customer's C2 network, providing decision makers with real-time intelligence information to support taking effective action. The data is also recorded for post-mission analysis.

TacSense is a force multiplier when integrated with other field assets such as:

- Air Defense and ISR radars
- Self-protection radars
- Border protection solutions

Based on mature and field-proven ELTA systems, the compact sensors have been optimized to comply with reduced size, weight and power (SWaP) requirements. They can be deployed as separate ELINT and COMINT systems or as a single integrated system, housed in a specially designed enclosure configured to each platform type.

The solution comprises the following:

ELINT FUNCTIONALITY

Intercepts and analyzes Low Probability of Intercept (LPI) emitters in dense electromagnetic environments.

- Wide frequency coverage

COMINT FUNCTIONALITY

Intercepts, analyzes, identifies and monitors communication networks and datalinks in dense and complex communication environments.

- Wide frequency coverage
- Voice & Data monitoring



TacSense Configuration
for Land Operations

KEY FEATURES

- Real-time monitoring of SIGINT signals, creating a coherent Electronic Order of Battle (EoB)
- Optimized SWaP – net weight: 15kg (without enclosure) & power: 150W
- Adapted to a range of platform types – aerial, maritime, land, and ground-based
- Integrates SIGINT data with situation picture display
- Enhanced identification and classification layers for augmented awareness

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