

SIGINT Information Operations

Family of Systems

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BAE SYSTEMS

Countering today's threats of modulated, encrypted, and multiplexed signals

Easy to integrate onto UAVs, manned aircraft, surface vessels, and ground vehicles, the S-3000 family of Signals intelligence (SIGINT) and Information Operations (IO) systems are open, software-defined, and equipped with advanced receive and transmit capabilities.

The technology provides operators with advanced signal location and exploitation capabilities to extract actionable intelligence from large volumes of data to enable informed decision making in time-critical situations. The versatile and scalable design allows for operation in a wide variety of mission scenarios with diverse size, weight, power, and classification requirements to ensure mission success in any environment.

Key features and benefits

- Commercial off-the-shelf (COTS) hardware enables third-party integration, which allows for rapid capability insertion
- System control software and net-ready interfaces integrate into existing work stations for ease of use and reduced life cycle costs
- Multiple antenna types and locations meet various platform requirements, enabling support of any mission scenario
- Advanced computational resources adjust on the fly to process highly complex signals for electronic attack or offensive cyber missions
- Line-of-sight (LOS) and beyond-line-of-sight (BLOS) networks permit payload operation in locations with limited network connectivity
- Systems meet time difference of arrival (TDOA); frequency difference of arrival (FDOA); and time, frequency, navigation, and geodesy (TFNG) requirements to comply with airborne multi-INT office (AMO) guidelines
- Deep depression; polarization; independent; and super-resolution, direction-finding features result in accurate and timely threat identification

Applications



Unmanned aerial vehicles



Surface ships



Manned aircraft



Ground vehicles



Rack-mounted
GEN2



Liquid-cooled
GEN1



UAS pod-mounted
GEN1



UAS pod-mounted
GEN2

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