

Sonobuoy Processing Systems

General Dynamics has provided processing systems to the Royal Canadian Navy and the navies of Japan, South Korea, Australia and the UK for over 40 years



Best in Class Active and Passive Sonobuoy Processing System

Features:

- Supports NATO Standard 99 Sonobuoy RF Channel allocation
- Supports a broad range of Passive and Active Sonobuoy Manufacturer Types
- Leverages commercial advances in hardware and latest innovations in signal processing technologies to maximize the detection of submerged threats
- Employs directional and spectral analysis to generate spatially aware spectral displays
- 1 hour of display-ready historical data available for each of 32 concurrently processed sonobuoys
- Performs display processing whilst processing/formatting recorded acoustic data

Sonobuoy Processing System

Maximizes the detection of modern submerged threats

Operational Characteristics

- Intuitive User Interface tools that reduce operator workload in complex sonobuoy fields
- Full Mission Spectrum integration
- Low workload, high volume data management
- High fidelity processing of both active and passive buoys allows quick and easy threat localization
- Fast-time data replay and mission reconstruction and archiving
- Optimized for high target density, high clutter environments to achieve real-time multiple target tracking

Main Characteristics

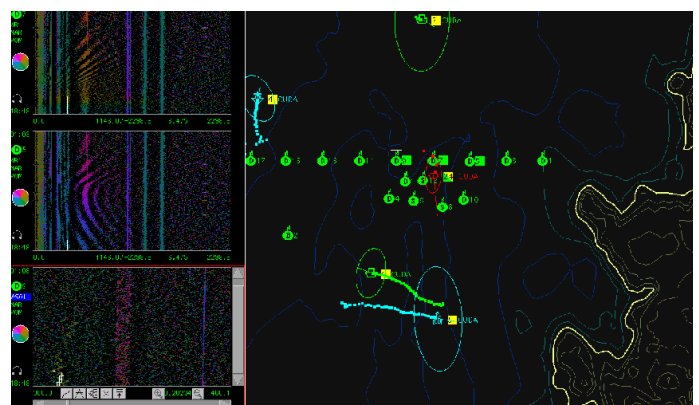
- Wide range of supported sonobuoys that are easily exportable to Allied nations
- Co-operative multistatic processing with both ship and helicopter sonars acting as transmitter or receiver in a multistatic field
- Embedded training mode can be used to dynamically generate realistic and complex acoustic scenarios to train acoustic operators
- Offers state-of-the-art, range independent, underwater acoustic predictions for both passive and active sonar
- Supports input of sensor, target and environmental parameters to produce range predictions



Physical Characteristics

Dimensions	5.3" (W) x 7.8" (H) x 15.9" (D)
Power Consumption	205W (Max)
Weight	26lb
Cooling	Forced air indirect
Operating Temperature Range	-40 °C to + 55 °C
Storage Temperature Range	-51 °C to + 85 °C
Environmental	MIL-STD-810F
E3	MIL-STD-461F
Interfaces	Power 115V, 400Hz, MIL-STD-704 Gigabit Ethernet (x4) Analog Inputs (x32) Audio Out (x4) VGA (x2) USB (x4) CFS/CSG Command

The product described here represents a general configuration of this family of products. Specifications are configurable for specific customer requirements. For pricing and availability information, please contact your General Dynamics representative.



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