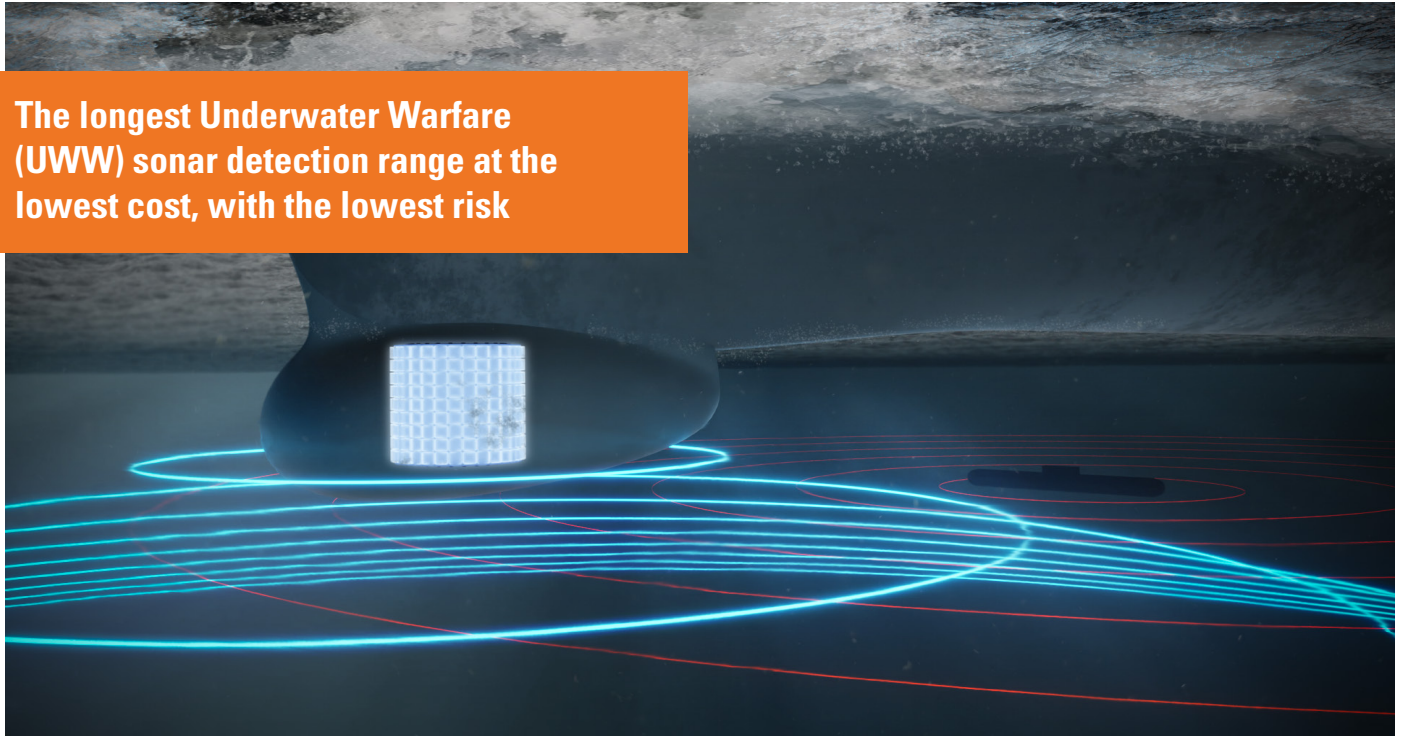


HMS-510 V2 Broadband Hull Mounted Sonar

The longest Underwater Warfare (UWW) sonar detection range at the lowest cost, with the lowest risk



Operational Features

- Cylindrical array that easily integrates with virtually any ship platform in a keel mount
- Omni-directional surveillance with full target detection, tracking and localization capabilities
- Narrow or wide directional fine tracking capability helps suppress unwanted ambient and non-target energy
- Modern user-friendly interfaces and tools minimize operator workload and maximize mission effectiveness
- Situational awareness display to enable correlation between sensor acoustic data and CMS tracks
- Concurrent active and passive processing
- Diagnostics function ensures operational reliability
- Leading-edge underwater warfare sensor, with modern signal processing and operator display capability
- Significant operational capability in both littoral and deep water environments
- Proven operational effectiveness with a broad range of target detection and mission complexities
- High fidelity power and pulse control for marine mammal, small object (mine) or submarine detection
- Wide selection of transmit pulse types to satisfy multiple target and environment combinations

Scalable Underwater Warfare (UWW) suite integration, keeping your fleet mission ready



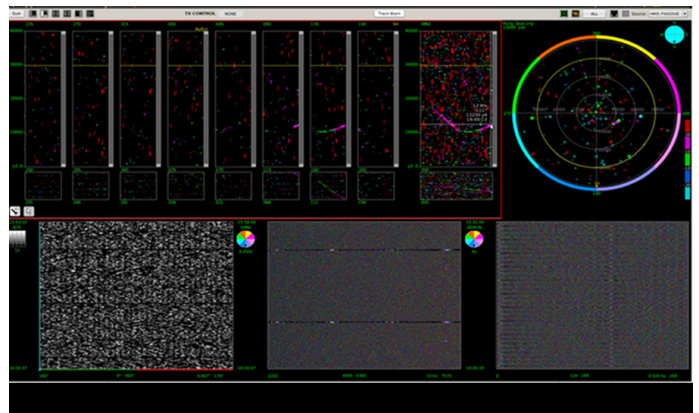
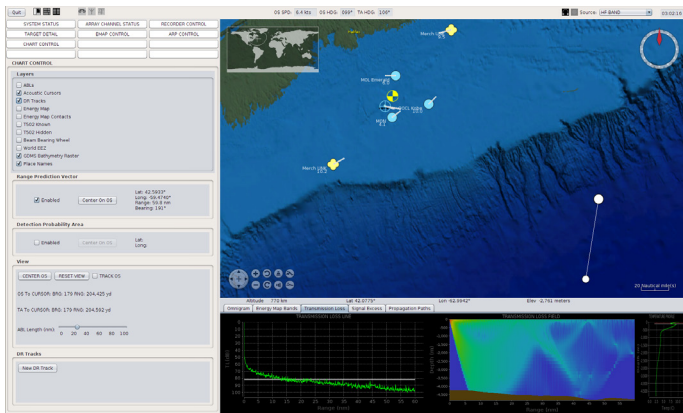
Corvette

Frigate

Destroyer

Technical Characteristics

Active source centre (Tx) frequency	5-14 KHz
Omni-directional sound pressure level	224 dB
Transmit pulse length	5ms, 50ms, 250ms, 1, 2, 4, 8 and 16
Transmit pulse type	FM, CW, HFM/CW, Custom
Transmit interval range	125, 250, 500, 1000, 2000, 4000, 8000, 16000, 32000, 64000, 128000, Custom
Frequency modulation transmit bandwidth	up to 2 kHz LFM and HFM transmit frequency
Receive band (Rx) frequency coverage	3-16 KHz
Transducer arrangement	36 Vertical Staves – 10 Single Element Transducers (SETs) per staffe
Transducer configuration	Fixed (vertical hoist available as option)



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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