



***VisionMaster FT
Surveillance
Radar***

*Enhanced Target
Awareness*

THE VALUE OF PERFORMANCE.

NORTHROP GRUMMAN

With a distinguished reputation for providing the finest navigational equipment and systems for mariners around the world, Northrop Grumman Sperry Marine now provides an efficient solution for those seeking to combine navigation and surveillance requirements.

The VisionMaster FT Surveillance Radar provides advanced situational awareness, together with the detection, identification and tracking of targets of any size or speed in a vessel's vicinity. Ideal for both surface and airborne threat identification, the VisionMaster FT Surveillance Radar is perfectly suited for high-definition sea surface surveillance, ship navigation and short-range air surveillance for helicopter control.

High Performance

The combination of the TERMA SCANTER 6002 and VisionMaster FT Radar provides advanced navigational features with a high performance surveillance radar to enable the enhanced detection and tracking of fast-moving and small targets.

Providing both surveillance and navigational information on a single screen offers improved efficiency and reduced costs, as well as saving space. The VisionMaster FT Surveillance Radar offers a combination of IMO-style surveillance and navigation functions that are unavailable in other single display systems.

The VisionMaster FT Surveillance Radar is designed for small-to-medium sized naval vessels, and ideal for law enforcement tasks and search and rescue operations.

Features

- Naval Applications
- Search and Rescue
- Coastal Surveillance Applications
- Oil Spill Detection



Danish Support vessel Esbern Snare. Photo courtesy of Danish Navy.

Operational Capabilities

SEARCH AND RESCUE

Objects in need of immediate help rely on radar capabilities to track their movement and guide and control the search and rescue operation to their location. The ability to detect small surface targets and track helicopters makes the VisionMaster FT Surveillance Radar extremely well-suited for search and rescue operations.

SURFACE SURVEILLANCE

The VisionMaster FT Surveillance Radar provides surface patrolling capabilities by detecting and tracking small targets from close in all the way to the radar horizon, delivering uninterrupted, all-weather surface surveillance.

HELICOPTER CONTROL

The VisionMaster FT Surveillance Radar's helicopter control enables the vessel to control a helicopter in its short range operations, allowing for landing control on own ship or at remote locations, significantly increasing the operational capabilities of the vessel.

MONITORING LOW AIRSPACE

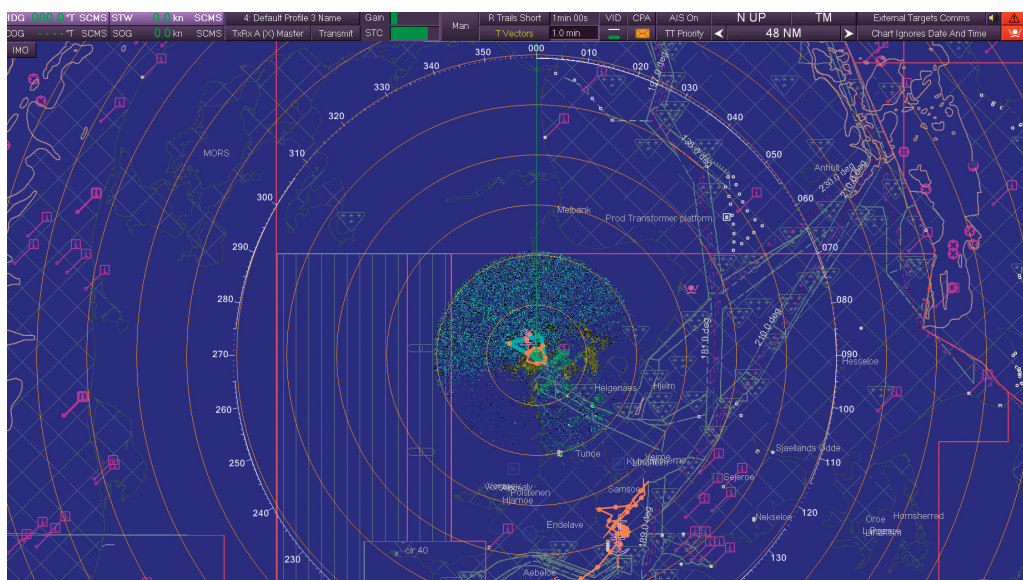
The VisionMaster FT Surveillance Radar monitors the lower airspace around the vessel and is capable of detecting and tracking both propeller and jet aircraft up to 10-15 nm and up to 6000 ft. altitude providing low airspace monitoring and surveillance.

NAVAL FEATURES

Combining navigational features found in the VisionMaster FT Naval series, the VisionMaster FT Surveillance Radar offers exceptional military capabilities with enhanced features and performance.



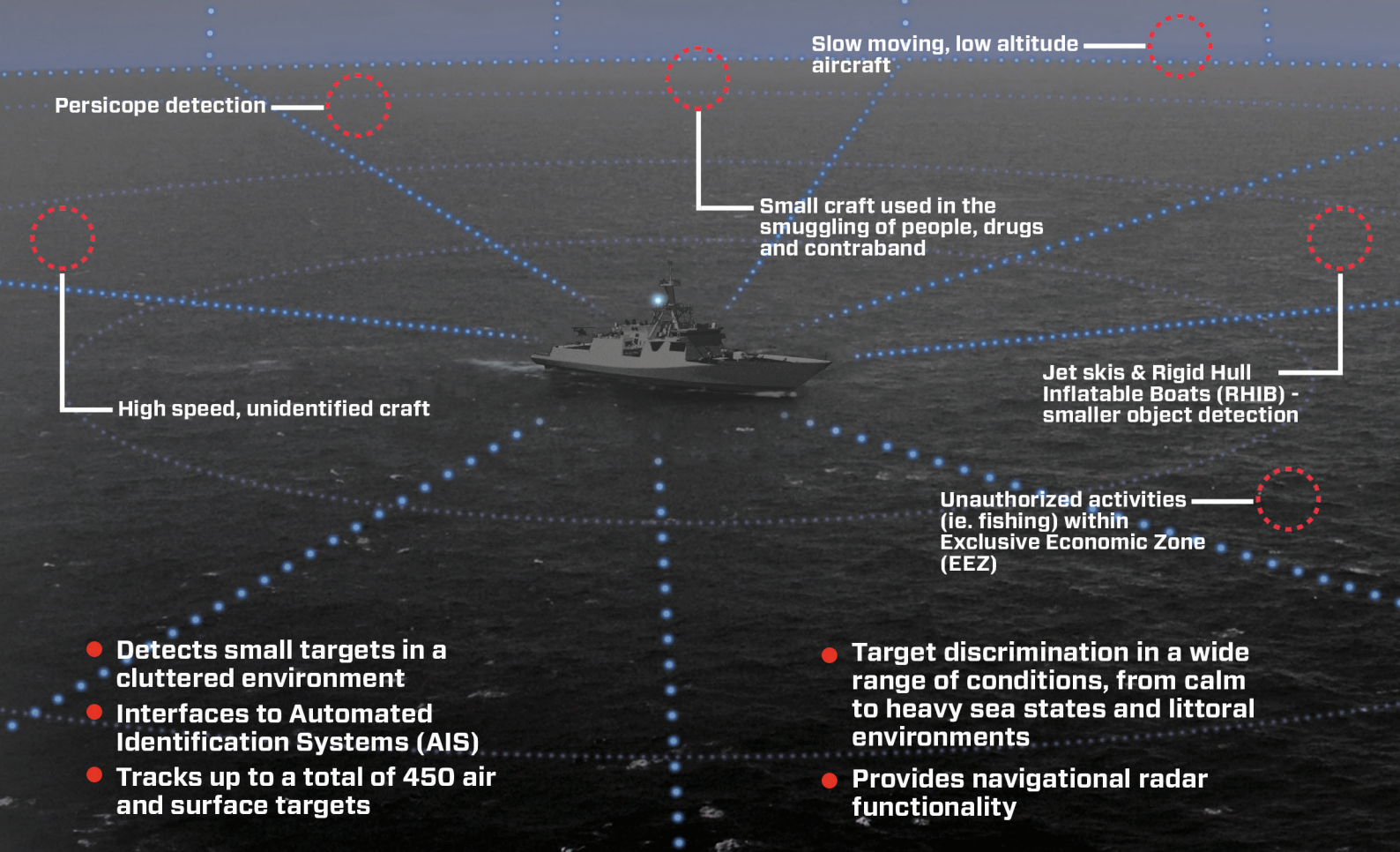
HDMS Absalon (L16). Photo courtesy of Danish Navy.



The VisionMaster FT Surveillance Radar watch mode, combining video and charts has higher dynamic range (256 colour levels) allowing for better identification of target signal strength.



The VisionMaster FT Surveillance Radar is suitable for coastal surveillance applications.



Persicope detection

Slow moving, low altitude aircraft

Small craft used in the smuggling of people, drugs and contraband

High speed, unidentified craft

Jet skis & Rigid Hull Inflatable Boats (RHIB) - smaller object detection

Unauthorized activities (ie. fishing) within Exclusive Economic Zone (EEZ)

- Detects small targets in a cluttered environment
- Interfaces to Automated Identification Systems (AIS)
- Tracks up to a total of 450 air and surface targets
- Target discrimination in a wide range of conditions, from calm to heavy sea states and littoral environments
- Provides navigational radar functionality

A high performance, dual function advanced radar solution.

Total Support: 24/7/365

The VisionMaster FT Surveillance Radar, like all Northrop Grumman Sperry Marine systems and products, is supported by one of the world's most extensive worldwide service networks, with help available around the clock, 24 hours a day, 365 days a year. Our global service network provides prompt shipboard maintenance and repair services in every major seaport in the world.

We also offer comprehensive maintenance contracts, as well as support for all products for at least ten years after cessation of manufacture, so providing continuing peace of mind to all our customers.

For more information, please contact:

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