

# VisionMaster Naval

Integrated Navigation Solutions for Mission Ready Naval Operations

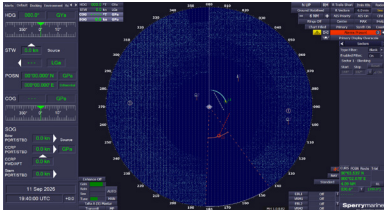


Continuing Sperry Marine's naval heritage.  
Tactical navigation for navies and coast guards.

# VisionMaster Naval

The Vision Master Naval product portfolio<sup>1</sup> features the VisionMaster Naval Integrated Navigation and Bridge System (INBS), which combines Naval Radar, Naval ECDIS, and WECDIS<sup>2</sup> capabilities on a single platform, delivering an integrated tactical navigation solution for naval and other military vessels. The Additional Facility Transceivers extend the radar sensor capabilities to meet platform-specific requirements and enhance system integration.

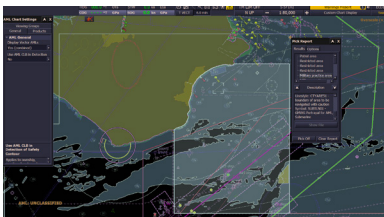
## VisionMaster Naval Radar



Whether deployed as a stand-alone radar on a police patrol boat or as fully redundant, multi-node navigation system on a frigate, VisionMaster Naval Radar provides fleets with scalability and modularity in a tactical application approach.

VisionMaster Radar sensors can operate in temperatures down to -40°C or even -55°C with the use of the optional VisionMaster Winterisation Heater Kit. This extends the operational range of the radar system, ensuring safety and strategic advantage.

## VisionMaster Naval ECDIS and WECDIS



For tactical maneuvering, VisionMaster Naval ECDIS and WECDIS (Warship Electronic Chart Display and Information System) deliver tactical chart display and situational awareness for naval manoeuvring and mission planning. With the support of NATO Additional Military Layers (AMLs) in accordance with STANAG 7170, VisionMaster ECDIS and WECDIS provide military-specific information to enhance both command and control. With the move to the IHO S-100 data framework, they are prepared for the next generation of digital navigation standards.

## VisionMaster Naval INBS



The Integrated Navigation and Bridge System (INBS) is designed for naval surface vessels, combining advanced defence capabilities with readiness for future autonomous navigation technologies. Trusted by navies and coast guards worldwide, VisionMaster Naval INBS provides reliable mission-essential performance across a wide range of platforms, from small patrol craft to large frigates and destroyers. Its multifunction workstations consolidate key navigation functions and military applications into a single operational environment, giving watch officers a complete view of the maritime picture.

VisionMaster Naval INBS can interface with the Machine Alert and Control System (MCAS), the Integrated Platform Management System (IPMS), and the Combat Management System (CMS), enabling the exchange of operational, platform, and tactical data. This interoperability supports functions such as integrated rudder control for automated and safe manoeuvring, interfaces to CCTV and video surveillance systems, and the management and distribution of data across the bridge environment. By enabling seamless access to information from any position on the bridge, the integration enhances operational flexibility, safety, and situational awareness for ship's watch officers. High system flexibility further ensures that critical data is available wherever it is needed on the bridge.

<sup>1</sup> The VisionMaster Naval product portfolio is export controlled

<sup>2</sup> For additional information about VisionMaster WECDIS, please reach out to your Sperry Marine representative.

## VisionMaster Networked Platform

With its fully networked architecture, VisionMaster Naval minimises installation complexity, reducing both initial setup times and through-life costs. Its modular design over an Ethernet ring allows for robust integration with both VisionMaster and third-party equipment, providing a tailored and scalable bridge solution that meets the specific needs of any vessel.

## VisionMaster Radar Additional Facility Transceivers

The VisionMaster Radar with Additional Facility Transceivers extends the capabilities of the VisionMaster Naval radar platform and simplifies third-party integration for an open infrastructure-ready navigation bridge. An “unprocessed video” output can be configured to enable the radar sensor to interface with third-party equipment. This feature is especially suited for specialized applications, such as ice-detection systems in polar and cold weather environments, supporting vessel operators in maintaining safe and efficient operations under challenging conditions.

- Radar Silence for Naval Emission Control Compliance (EMCON)
- Pre-trigger output
- Unprocessed video output

## You may also be interested in:



### VisionMaster Naval Radar

Scalable, modular deployment from stand-alone radar to fully redundant multi-node systems.



### NAVIGAT 3500

Adding highest heading accuracy and motion reference data to your bridge, especially when sailing in high latitude.

## Global Service and Support

Sperry Marine provides service and support on a 24/365 basis at every major port worldwide, at anchor, offshore and at sea. All Marine Service Engineers are all certified to ensure they install, maintain and repair our products to the industry's highest standards on a consistent global basis. Please see [www.sperrymarine.com/service](http://www.sperrymarine.com/service) for full details of all our service locations.

## Find out more

Please visit [www.sperrymarine.com](http://www.sperrymarine.com) for more information on Sperry Marine's VisionMaster Naval product line. If you would like a quotation, please email [sales@sperrymarine.com](mailto:sales@sperrymarine.com).

Ref – 2026-1868

