Sperry Marine

VisionMaster FT Dual Channel Radar

NORTHROP GRUMMAN

Eliminate Blind Arcs for Full
Situational Awareness

VisionMaster FT Dual Channel Radar

360-degree view with the VisionMaster FT Dual Channel Radar

Eliminate blind arcs with a single screen display of two radars for a unique degree of safety and security.

The VisionMaster FT Dual Channel Radar provides increased confidence and safety on all large vessels, offshore platforms and land-based installations. By combining the view from two radars on a single screen, the operator has a complete picture of all targets, with no dangerous blind spots.

The Dual Channel Radar delivers many benefits, including:

- No blind arc but 360-degree view on a single screen to enhance awareness and safety

- Control up to two independent radars from a single screen to reduce operator workload

- Track targets seamlessly across the two radars

- Protect Mega ships, offshore platforms and static sites

- Any combination of X- and S-band antennas

- Meet IMO performance standards

Full Situational Awareness

We understand how difficult for offshore platforms or mega vessels it can be sometimes with blind arcs. With no radar information from the blind sectors, the lack of critical information contributes to poor situational awareness and vulnerability.

We designed the VMFT Dual Channel Radar to provide enhanced target detection and full situational awareness. The overlapping of the information from two radars eliminates blind arcs and delivers a 360-degree view on a single screen. With smooth transition between screens, continuous tracking is provided, with no interruption or delay of critical information.

Reduce Operator Workload

Attempting to monitor and interpret data on two separate screens can be difficult and stressful, leading to possible confusion, uncertainty and potential danger.

The VisionMaster FT Dual Channel Radar gives the confidence and security that operators need, by providing the safety, reassurance and ease of use of a single integrated image of two radar views.

Using a single screen is more efficient and less stressful, as it is easier to see everything at a glance without cross-reference to each separate screen. The Dual Channel Radar enables the operator to have independent gain, rain and sea clutter control, as well as independent tuning and transceiver control.

Wide Range of Uses

Many different users have found our VMFT Dual Channel Radar an invaluable aid wherever radar visibility is restricted. As well as enhancing operational safety, it can also provide protection from piracy or other threats.

Originally designed for use on mega ships and offshore platforms the VMFT Dual Channel Radar is currently employed in many different applications, including static sites that require the additional security it provides.

Any Combination of X- and S-band Antennas

The VMFT Dual Channel Radar allows data from two independent asynchronous sensors to be displayed and controlled on a single screen. Data from the separate transceivers is fed to a single screen via interswitch and PC I/O units, allowing the control of the two display channels.

The VMFT Dual Channel Radar is available in any combination of X- and S-band configurations or with third party applications The 340 Deckstand features a 25.5″ screen, while the Kit format is available with both 19″ and 25.5″ screens.

The Dual Channel Radar can be installed easily, or as an upgrade to your current VisionMaster FT Radar, to provide a complete 360-degree view.

Type-Approved Performance

The VMFT Dual Channel Radar provides enhanced bridge operation and improved situational awareness, whilst surpassing all current performance standards for marine radar systems. The system is fully IMO-compliant and type-approved, meeting the following requirements: IEC 62388, IEC 60945, IEC 62288, IEC 61162-1, IEC 61162-2.

Total Support: 24/7/365

The VMFT Dual Channel 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.

Maintenance contracts

We also offer comprehensive maintenance contracts, as well as support for all products for at least ten years after any is discontinued, providing continuing peace of mind.

Dual Channel Radar enhances safety from large vessels, land-based installations to offshore platforms

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Technical Specifications

- Display size: 250 or 340mm PPI

- Display Configuration: Deck Standing 340,
  Desktop 340,
  Kit Format 340,
  Kit Format 250

- Antenna size:
  - X-Band   4', 6' or 8' ft
  - S-Band   12' ft

- Transceiver Power:
  - Aloft Transceiver (UPMAST) or
  - Below Transceiver (DOWNMAST)
  - X-Band 10kW or 25kW
  - S-Band 30kW

- Rotation Speed: Standard or High

- MMI   Trackerball Control Panel

- Performance Monitor: Fitted inside turning Unit

- Power: AC only
  Various supply options
  for S-Band motor

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A division of the Northrop Grumman Corporation, Sperry Marine provides a range of sophisticated navigation solutions for mariners around the world: autopilot and steering control systems, compass systems, integrated bridge and platform management systems, speed/velocity logs, navigation radar and ECDIS. Working with mariners around the globe for over 100 years.

✓ Approved Unlimited Public Release