

VisionMaster Radars

Your radar sensor in a Vessel Traffic Management System (VTMS)



Whether integrating into a small VTMS surveillance site, on a truck for interim surveillance requests or as part of a large integrated port vessel traffic management system, Sperry Marine has you covered.

With more than 450 systems deployed worldwide Sperry Marine provides comprehensive port security and coastal surveillance smart radar solutions that can detect small as well as fast-moving targets, even in the presence of heavy rain and sea return.

How does our VisionMaster Radar integrate into your Vessel Traffic Management System and what solution best supports your VTMS features?

- **All-weather Capability:** The radar can detect vessels in various weather conditions, including fog and at night, where visual observation is limited.
- **Primary Function:** Radar is the primary sensor used to detect and track vessels within the VTMS coverage area. It provides real-time information on the position, speed, and heading of vessels.
- **Monitoring Unidentified Vessels:** Radar helps in identifying and tracking unauthorized or suspicious vessels, playing a role in maritime security and law enforcement.
- **Border Protection:** In sensitive areas, radar is used to detect unauthorized entries or activities, aiding in the protection of national waters.
- **Incident Detection:** Radar can detect anomalies such as oil spills or floating debris, enabling quick response to environmental hazards.
- **Regulatory Compliance:** It assists in ensuring that vessels adhere to designated traffic lanes and speed limits, minimizing environmental impact.
- **Multi-sensor Fusion:** Radar data is integrated with other sensors (e.g., AIS, CCTV, weather stations) within the VTMS to provide a comprehensive overview of vessel traffic and environmental conditions.
- **Centralized Monitoring:** The radar feeds into a central control system, where operators can monitor all vessel movements and conditions in real time, allowing for coordinated management.
- **Traffic Flow Management:** Radar data helps in optimizing the movement of vessels, reducing congestion and delays, which is especially important in busy ports and waterways.

VisionMaster NET Radar Sensors

- Standard ASTERIX 240 outputs
- Raw radar data / analog output utilizing our Additional Facilities transceiver option
- Supports several management platforms
- Standard Ethernet outputs allow quick conversion to fibre for long distance runs

Vision Master NET Static Radar Display

- Static Site Display Mode utilizing full screen mode
- Multi sensor display allowing CCTV, night vision, infrared imaging, AIS and LRIT integration
- >600 target tracking

Find out more

Please visit www.sperrymarine.com for more information.

If you would like a quotation, please email sales@sperrymarine.com

BR94/EXP-AB-2025-1419