

VoyageMaster IV G2 VDR System

Industry-leading Voyage Data Recorder
that is reliable, efficient and flexible



VoyageMaster S-VDR & VDR IV G2

The VoyageMaster Voyage Data Recorder (VDR) series exemplifies Sperry Marine's dedication to enhancing maritime safety and efficiency. The second-generation VoyageMaster S-VDR/VDR IV sets the standard for reliability, adaptability, and compliance with the latest IMO, IACS, and IEC regulations. As the maritime industry's "black box," the VDR IV G2 mandatorily records and stores crucial navigational and communication data that will be used to investigate marine incidents and improve future safety practices.

A new key feature of the VDR IV G2 is the change of the battery handle. This innovative design extends the shelf life of the VDR and extends the capsule's lifespan, providing unmatched flexibility in storage and installation.

The compact VoyageMaster VDR IV G2 models are designed to withstand harsh conditions and are easy to install on new ships or retrofits using conversion kits and innovative SWAP technology. They support a wide range of communication protocols, converting them into a readable format. The second generation of the VoyageMaster VDR IV offers enhanced processing power and features, including doubled recording capacity and the ability to record video streams from standard IP cameras. This makes the VoyageMaster S-VDR/VDR IV G2 a cutting-edge solution prepared to meet future maritime safety standards.

Key features

Enhanced Recording Capabilities: Increased recording capacity in both the fixed capsule and internal storage captures all critical navigational information and communications comprehensively.

Video Streaming: Capability to record video from standard IP cameras, integrating an external IP video interface for expanded functionality.

Key benefits

Unparalleled Reliability: Enhanced processing power and robust build quality provide unmatched reliability across all maritime environments.

Extended Warranty: Offers an extended three-year warranty.

Improved Shelf Life: Improved product shelf life, facilitated by design adjustments like the separately ordered beacon component.

Enhanced Cybersecurity Compliance: Compliance with the IEC 61162-460 standards ensures protection against unauthorized access and tampering, aligning with new unified Requirements IACS UR E26/E27.

Cost Efficiency: Retrofit conversion kits allow for easy installation using existing cables and interface units.

Why choose the VoyageMaster S-VDR / VDR IV G2?

Commitment to Excellence: Our extended warranty underlines our confidence in the VDR IV G2's performance and reliability.

Long-Term Support: Guaranteed system support for at least 10 years post-product life with available spare parts.

Function	Details
Standard Configuration	<ul style="list-style-type: none">• Data Acquisition Unit• Fixed Capsule MK4 48 hours (64GB) without Beacon• Float-free Capsule, FF MK II• Bridge indoor and outdoor microphones• VDR Explorer playback software• Sensor Interface Unit and/or Remote Video Interface
Optional Capabilities	<ul style="list-style-type: none">• Ship-to-shore data transfer with VoyageMaster Connect• Extended data storage for detailed historical analysis
Annual Performance Tests	Sperry Marine is approved to perform mandatory Annual Performance Tests (APT) and certification for VoyageMaster VDR versions in accordance with IMO requirements
Standards Applied	<ul style="list-style-type: none">• Approvals: IMO resolution MSC.333(90) as amended by MSC.494(104) and IEC 61996-1 Ed. 2.0: 2013+A1:2021)• Records data over network channels according to the international standards IEC 61162-450/460

For safer, more efficient and sustainable sailing

Stay compliant

- Type approved to the IMO performance standard
- Meets all applicable IMO and IEC standards

Improve situational awareness

- Instantly replay cloud-recorded VDR data onshore via the optional VoyageMaster Connect services.
- Capture high quality information for longer durations with high resolution images and video
- Analyse VDR data easily to help improve decision-making

Increase reliability

- Robust compact system with fewer components and no moving parts
- Designed to withstand heavy weather, collisions, fire and immersion in several metres of water
- Analyse VDR data to identify navigation system issues
- Global 24/365 service and support at every major seaport, at anchor, offshore and even in passage

Safeguard cybersecurity

- Secure VDR data transfer to shore via VoyageMaster Connect with end-to-end encryption
- VoyageMaster Connect's built-in firewall protects against cyberattacks and unwanted traffic

Reduce through-life costs

- Easy to install: retrofit conversion kit available; reuse existing cables and interface units; existing VDR data preconfigured for quick setup on new unit
- Instantly transfer VDR software and data to replacement unit during service or repair
- Monitor navigation system performance for preventative maintenance purposes
- Analyse alarms and troubleshoot issues from shore before arranging service visits
- Extends capsule's lifespan and shelf life of VDR

Improve ease of use

- Intuitive Windows-based interface
- Remotely access recorded data from shore
- Automated data transfer from ship to shore

Optimise operational schedule

- Share essential data with authorities, accident investigators and insurance companies without vessels needing to return to port
- Conduct remote configuration and pre-APT checks to identify spares required, speed up APTs and reduce in-port turnaround
- Eliminate in-port delays with instant transfer of VDR software and data to replacement unit during repairs

Improve flexibility

- Supports a wide range of communication protocols and converts them to a readable format
- Customise presentation of recorded data
- Export data for playback and analysis on board and ashore
- Option to increase storage and add enhanced video, audio and signal capabilities

Extended warranty

- 3 year warranty with system support for at least 10 years after end of product life with spare parts available

Reduce emissions

- Collect navigation system data to analyse fleet performance and reduce fuel use



The navigation experts

Sperry Marine delivers industry-leading, maritime navigation solutions that ensure your vessel operations are safer, more efficient and sustainable.

These integrate systems, digital services and support to suit all your different vessel and operating requirements. Our extensive portfolio includes radars, ECDIS, compasses, steering systems, autopilots, speed logs and Integrated Bridge Systems. And secure, connected services that support your digital transformation.

Our global service network covers all the major shipping areas in Europe, Asia and the Americas. This comprises our own team of over 150 experts and 100 authorised service partners, who are all certified to ensure they install and support our products to the highest standards on a 24/365 consistent global basis.

Based on over 150 years' experience, Sperry Marine's navigation solutions are trusted on thousands of vessels at sea by the world's leading shipping companies.

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/services for full details of all our service locations.

Find out more

Please visit www.sperrymarine.com for more information.
If you would like a quotation, please email sales@sperrymarine.com.

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