

MARIS VDR3000

5th generation Voyage Data Recorder Wheelmark (EU) Certified to the revised IMO performance standard as defined in MSC.333(90) applicable to VDRs installed on and after 1st July 2014.



Built to meet OCIMF Recommendations for Proactive Use of VDR Information.



April 2014

MARIS is a limited company with its head office in Tønsberg, Norway, a recognised centre for maritime information technology. The majority owner is the Grieg Group (www.grieg.no). MARIS has supplied more than 10,000 navigation systems to customers in 40 countries.

The Grieg Group has a long and proud maritime tradition. Today, the Group operates globally within a variety of business areas; shipping, terminal operations, ship service, shipbroking, maritime information systems, investment consulting and fish farming. The Grieg Group has approximately 2,000 employees.

The roots of MARIS can be traced to the start of the maritime information technology explosion in the mid-1960s. MARIS is a system house with world class experience in onboard systems. Innovative engineering has added several 'world firsts' to its global list of milestones. Among these are our 'Wheelmark' certified ECDIS and PC Radar/ARPA, IEC 60945 certified Flat Panel Computer and VDR/ECDIS COMBO. MARIS is working with the UKHO to develop The Admiralty e-Navigator.

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Innovating Engineering

More than 5,000 vessels sailing with MARIS Systems

Overview of MARIS VDR3000 System

1998 The World's first VDR meeting the requirements set forth in the IMO resolution A.861(20) Performance Standards for Shipborne VDRs.

2005 The World's first certified VDR/ECDIS Combo - (data recorder and electronic chart system in one PC).

Functionality

- ECDIS Logbook Recording
- Fully Automatic in Operation
- Playback Software Included with All Recordings
- Record Data on USB Stick and replay on any PC, very useful for Evaluation and Training
- Flexible; will work with MARIS LOG4000, an automatic data collection, storage and reporting system through MARIS Customer Portal (MCP) on www.maris.no -> For Cosumers.

Hardware

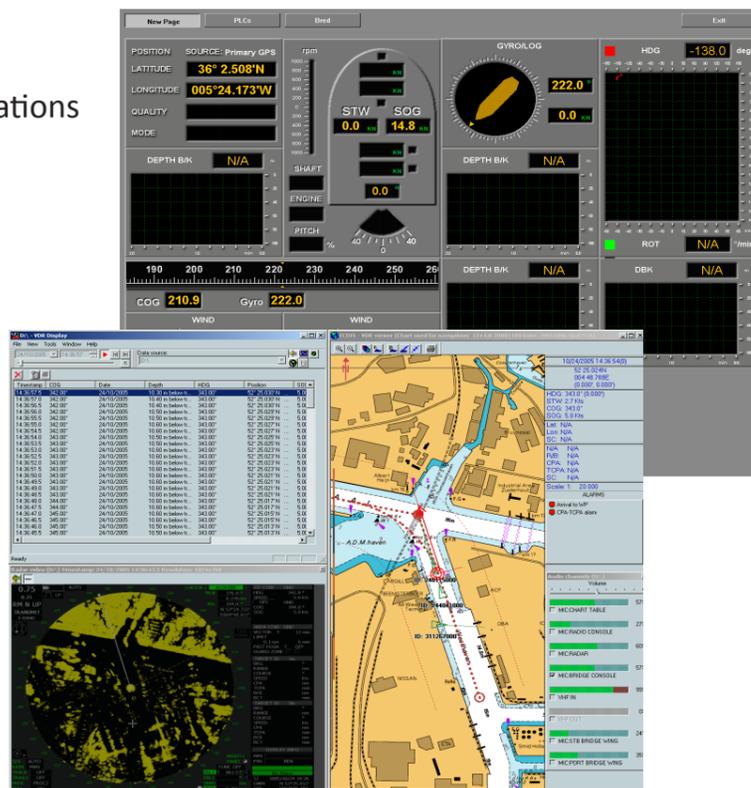
- Solid State Drive (SSD)
- Modular, Scalable 'Fit Anywhere' Design
- Minimal Weight for Easy Transport and Installation
- Unlike others, MARIS is using Commercial Of The Shelf (COTS) hardware for increased lifetime and better Mean Time Between Failure (MTBF)
- Using High Quality Float Free and Fixed Capsules from leading suppliers

Installation

- Power over Ethernet/Single Cable Interconnectivity
- Fast, Efficient and Cost Effective Installations

Support

- Very Reliable
- Ease of Service
- 24/7 Product Support
- Backwards Compatible with Older MARIS VDR Systems
- Remote Monitoring/Data Access/Diagnostics/Restoring
- Proven Design (5th generation VDR)
- Fixed Cost Maintenance Contracts



- VDR3000 Main Cabinet (Art. no. 11508)**
- Contains: Computer, UPS4000 Mk2, long term storage unit and Ethernet switch for Radar and ECDIS display recording
 - Powered from 85-264 V A C
 - Record time: 30 days
 - Weight: 22,0 kg
 - Size: W 53,0 cm x H 48,0 cm x D 15,0 cm



- ACP3000 (Art. no. 11510) Alarm Control Panel**
- 4.3" Wide screen TFT color display, Resistive touch screen
 - Ethernet (100baseTX) interface
 - Powered from UPS4000 Mk2
 - Weight: 1,0 kg
 - Size: W 14,7 cm x H 10,7 cm x D 6,0 cm



- Float Free Capsule (Art. no. 11462)**
- 48 h storage capacity
 - Ethernet (100baseTX) interface
 - Powered from UPS4000 Mk2
 - Weight: 2,0 kg
 - Size: W 18,0 cm x H 37,9 cm x D 18,0 cm



- MIC3000, Michrophone (Art. no. 11477)**
- Mix of microphones and WHF channels
 - Powered from UPS4000 Mk2
 - Weight: 0,25 kg
 - Face plate: W 8,0 cm x H 13,6 cm



- Fixed Capsule (Art. no. 11410)**
- 48 h storage capacity
 - Ethernet (100baseTX) interface
 - Powered from UPS4000 Mk2
 - Weight: 12,2 kg
 - Size: W 18,0 cm x H 15,3 cm x D 23,6 cm



- AUD3000 (Art. no. 11478) Audio Interface Unit**
- 8 Analogue audio inputs
 - Ethernet output
 - 24V DC power
 - Weight: 0,40 kg
 - Size: W 16,5 cm x H 6,5 cm x D 8,5 cm



- SAS2000, Digital/Analog Interface Unit (Art. no. 10296)**
- 32 Dry contacts
 - 8 ch analog (voltage and/or current)
 - Powered by UPS4000 Mk2
 - Weight: 11,0 kg
 - Size: W 38,5 cm x H 40,0 cm x D 21,5 cm



- LAN4000 (Art. no. 11480) Network Switch**
- 5 Ethernet ports RJ45
 - 24V DC power
 - Weight: 0,3 kg
 - Size: W 11,5 cm x H 3,0 cm x D 7,9 cm



- SIS4000 Mk2 (Art. no. 11346) Serial interface unit**
- 8 ch NMEA 0183, per unit
 - Multiple units can be connected
 - Ethernet (100baseTX) interface
 - Powered from UPS4000 Mk2
 - Weight: 0,35 kg
 - Size: W 13,5 cm x H 15,0 cm x D 2,3 cm



- Video Switch (Art. no. 11509)**
- Optional
 - 4 ch video input, max resolution 1,920 x 1,200
 - Weight: 2,0 kg
 - Size: W 29,3 cm x H 4,6 cm x D 18,9 cm



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