![Danelec MARINE logo]

DM400 VDR
Voyage Data Recorder

DM200 S-VDR
Simplified Voyage Data Recorder

DM200 L-VDR
Light Voyage Data Recorder

VOYAGE DATA RECORDERS

Like black boxes carried on an aircraft, Voyage Data Recorders (VDRs) enable accident investigators to review procedures and instructions in the moments during an incident and help to identify the cause of any accident.

According to IMO regulations, passenger ships and ships other than passenger ships of 3000 gross tonnage and upwards constructed on or after 1 July 2002 must carry VDRs to assist in accident investigations and a simplified VDR (S-VDR) must be fitted on existing cargo ships of 3000 gross tonnage and upwards constructed before 1 July 2002.

DANELEC MARINE VDR RANGE

Danelec Marine VDR systems are designed to record and store, in a secure and retrievable form, information concerning the ship's position, movement, physical status and command and control for the period leading up to and following an incident.

The new 3rd generation of Danelec Marine VDR products offers an unmatched flexibility in a compact and lightweight, easy to install solution. The product range is designed with a strong focus on reliability and functionality in maritime environments.

The Danelec Marine VDR range consists of the DM400 VDR, DM200 S-VDR, and DM200 L-VDR, ensuring that there is a product to suit every need.

Product	Purpose	VDR Main Unit	Protective Capsule	Sensor Interface Unit
DM400 VDR	Required for new-build ships over 3000 GT	✓	✓	✓
DM200 S-VDR	Required for retrofit on existing ships over GT	✓	✓	
DM200 L-VDR	Optional for other ships *(excl. tugboats/ supply ships)*	✓		

Standard configuration

Bridge Alarm Unit — Data Acquisition Unit — *VDR/S-VDR only* Protective Data Capsule

Microphones

Sensor Interface Unit — *VDR only*
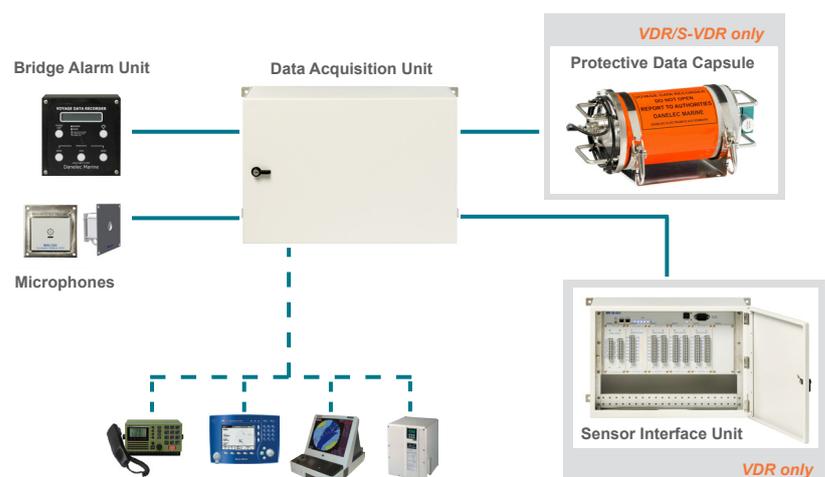
Danelec Marine VDR systems are Wheelmark approved, and meet the requirements of IMO perfomance and IEC standards.

BUNDESAMT FÜR SEESCHIFFFAHRT UND HYDROGRAPHIE

Solid · Safe · Simple

FACT SHEET

Data Acquisition Unit		VDR	S-VDR	L-VDR
		✓	✓	✓

Dimensions
W: 52 cm
H: 33 cm
D: 33 cm
W: 23 kg

Specifications
AC Power (110V-230V, 50-60Hz, max. 150W)
For data acquisition:
8 inputs for audio
8 inputs for serial data
2 inputs for video data

Sensor Interface Unit (Modular / Compact)		VDR	S-VDR	L-VDR
		✓	−	−

Dimensions
(Modular / Compact)
W: 52 / 52 cm
H: 33 / 33 cm
D: 33 / 17 cm
W: 23 / 12 kg

Specifications
AC Power (110V-230V, 50-60Hz, max. 75W)
For data acquisition:
8 / 8 inputs for serial data
8 / 8 inputs for analogue data
48 / 64 inputs for digital data

Protective Capsule		VDR	S-VDR	L-VDR
		✓	✓	−

Dimensions
W: 42 cm
H: 20 cm
D: 24 cm
W: 14 kg

Specifications
Protected fixed capsule, complete with cradle and beacon and supplied with 50 meter cable (terminated in the capsule)
Electrical interface:
Firewire over CAT 5

Bridge Alarm Unit		VDR	S-VDR	L-VDR
		✓	✓	✓

Dimensions
W: 144 mm
H: 144 mm
D: 50 mm

Specifications
Serial RS-422 and power
Connected to comm. port in DPU

Indoor Bridge Microphone		VDR	S-VDR	L-VDR
		x4	x3	x5

Dimensions
W: 84 mm
H: 84 mm
D: 84 mm

Specifications
Differential microphone output to audio interface module
Powered from audio interface module
Built-in buzzer for self test

Outdoor Bridge Microphone		VDR	S-VDR	L-VDR
		x2	x2	−

Dimensions
W: 96 mm
H: 96 mm
D: 84 mm

Specifications
Differential microphone output to audio interface module
Powered from audio interface module
Built-in buzzer for self test
Watertight: IP65

Software	VDR	S-VDR	L-VDR
VDR Web configurator software	✓	✓	✓
VDR Explorer playback software	✓	✓	✓
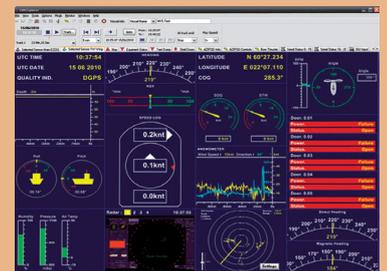
Worldwide network

Recognizing the importance of global support, Danelec Marine has a worldwide network of trained and certified distributors and service centres in more than 50 countries, enabling timesaving and cost-effective installations, maintenance and annual performance tests.

Solid operation at sea
Designed to meet the unique challenges of the maritime world, our products offer proven reliability even under extreme conditions.

Safe everywhere, every time
Efficient global service network delivers high quality support wherever your ships go 24/7.

Simple
Intuitive in use and easy to install, Danelec Marine solutions offer cost-effective performance. The simple choice for meeting today's business requirements.

Danelec Marine A/S

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