

Mackay Marine (S)VDR (VOYAGE DATA RECORDER)

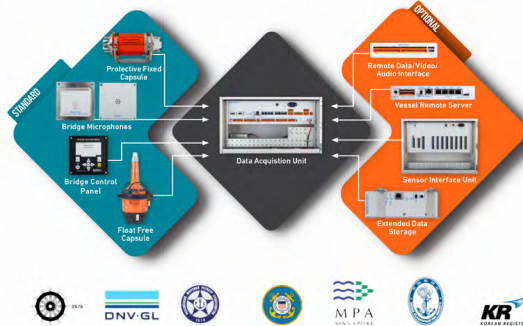
DMV100 VDR Voyage Data Recorder

Danelec Marine's DM100 VDR is the standard type-approved VDR system intended for all passenger ships and new cargo ships 3000 gross tonnage and above, constructed after July 1st 2002.

The DM100 VDR is Wheelmark-approved by DNV GL and meets the latest performance standards and technical requirements, as defined in MSC.333(90) and IEC 61996-1 Ed.2, taking effect as of 1 July 2014.

Key Features

- High quality application-specific product design
- Simple installation and maintenance
- Remote accessibility
- 10-year service guarantee
- 24/7 worldwide service
- SWAP technology™



DM100 S-VDR

The Danelec DM100 S-VDR is Danelec Marine's standard type-approved S-VDR (Simplified Voyage Data Recorder). Its intended application is for the maritime retrofit market and apply ONLY to Cargo ships 3000 GT+ that were built BEFORE July 2002; retrofitted 2006-2010.

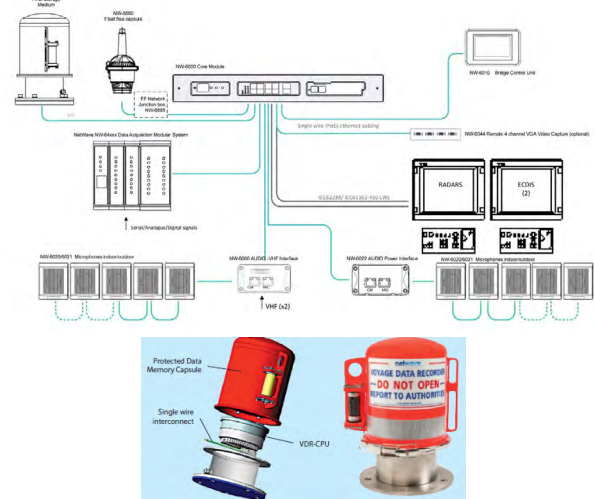
The DM100 S-VDR consists of a Data Acquisition Unit (DAU) coupled with a rugged industrial maritime computer platform (approved in accordance with IEC 60945), and a protective data capsule. Danelec S-VDRs are supplied with the VDR Explorer playback software as standard. The software runs from any PC and can provide real-time monitoring and replay recorded data.



NETWAVE NW-6000 Series Voyage Data Recorders

The Netwave VDR has a versatile design. It can be installed in a 19" rack or can be supplied in a bulkhead mounted casing. It can either be placed inside the navigation console or against any flat surface. Because of its Power-Over-Ethernet design, cable running is reduced to the minimum.

The benefit is faster (and more economical) installation and ease of service. With the special design, the Netwave VDR can easily be adapted for any type of new-build installations as part of IBS, or can be used to replace older VDR solutions.



NW6860-100 Fixed Capsule for VDR & SVDR

The capsule is still unique in the sense that in spite of the integration of the Central Processing Unit and Data Storage Server onto a single chip within the armored stainless steel capsule, this autonomous system is run from a single Ethernet cable leading to the compass deck.

Netwave capsules are not only deployed in conjunction with a Netwave VDR system but are also the FRM of choice used by other VDR manufacturers. Netwave's capsules are the only capsules in the market completely made from A316 grade stainless steel. As per the supply standard this 'fixed' Final Recording medium is fitted with Netwave's Underwater Locator Beacon; compliant to the SAE8045AS standard.

Compliant to IMO resolution MSC 333(90) for VDR systems, IEC61996, IEC60945 and ED56/112:

- Fire resistant to 1100 °C @ 1 hour and 260 °C during 10 hours.
- Data memory pressure cylinder resistant to 20.000 PSI/600 Bar/6000 meters depth during extended periods.
- Color: RAL 3026 (Fluor red) for SOLAS compliant ships. (other RAL colors available upon request)
- Stainless steel A316 deck mount with optional welding plate delivered within standard package.
- Memory 32/64/128 GB (Protected) for incident recording. Minimum of 48 hours
- Totally Solid State, no disk drives or other moving parts.