

VDR G4

Voyage Data Recorder



Steinsohn VDR G4

Scalable from SVDR to fully equipped VDR

Minimal space requirements

Integration in every local ship network

Short installation time

Integration in IBS of different manufacturers

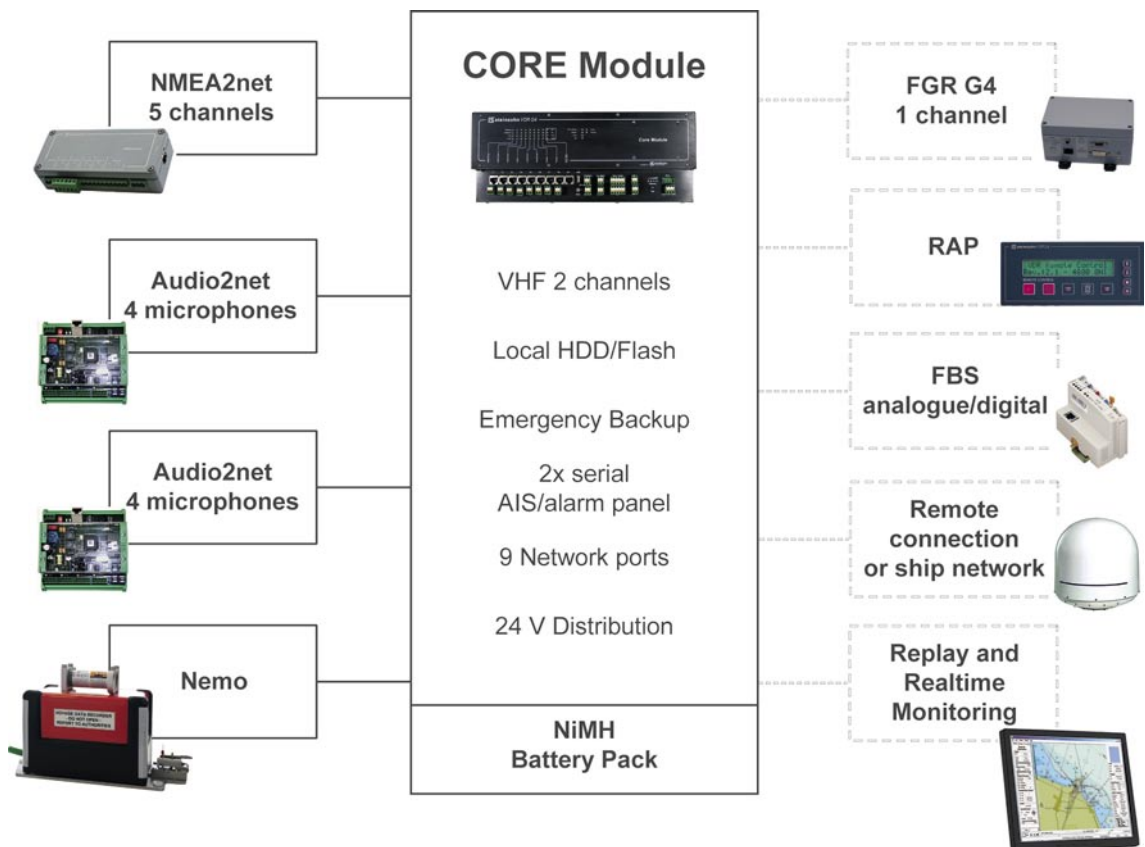
Easy to service

In order to meet future market developments INTERSCHALT has developed a new Voyage Data Recorder. The available know-how, together with 12 years of experience in producing VDRs plus the latest technical developments have all been accommodated into the customer oriented solution.

Modular design

With its specific characteristics, the modular design, the system can be adapted to individual customer requirements without any difficulty. Especially significant is the decentralised installation of the modules directly at the data source.

This eliminates the necessity for complex cable network, which can often affect the quality of the data adversely. The modules are linked via Ethernet and are effortlessly exchanged while the ship is in operation by using „Plug & Play“ technology. The data recorded are an indispensable source of information for shipping companies, charterers and ship insurance providers. The information can only be used if the operating condition of the ship and the nautical situation of each respective shipping route have been recorded in its entirety. The IS steinsohn VDR G4 is able to record data for up to 100 days.



Voyage Data Recorder System

Significant features

- Decentralized system with slim design
- Modules connected and power supplied over Ethernet
- Modules can be located close to signal source
- Reduction of mechanical components
- Open communication interface for third party applications and systems
- Remote survey and maintenance via satellite or GSM
- Powerful replay software (integrated ECS functionality and real time monitoring)

Standard modules



Core Module

- Central processing unit for data acquisition
- Control, parameterization and management of modules
- Data distribution to storage media and external devices



NMEA2net Module

- Conversion module for max. 5 NMEA sources to ethernet
- Up to 6 modules in one system
- Usable as 5 to 1 NMEA collector



Audio2net Module

- Up to 4 audio sources on 2 separate channels
- Digitalization and compression of voice data
- Microphone self test



Final Recording Medium Nemo

- Data recording up to 48 hours
- Easy to change flash memory and cover shield on board
- Fire resistant at 260° C for 10 hours or 1000° C for 1 hour

Optional modules



Frame Grabber FGR 4

- Acquisition of data from video sources
- IEC 61996 (1600 x 1200 / 60 Hz) compatible



Field bus System

- Analogue and digital I/O, maximum 256 contacts
- Galvanic isolated contacts



Replay System

- Visualization of recorded data
- Real time and remote monitoring
- Trend analysis of data, ECS functionality

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