

## **Steinsohn VDR G4**

### Advantages

- Scalable from SVDR to fully equipped VDR
- Reduced wiring
- Minimal space requirements
- Short installation time
- Easy to service
- Integration in every local ship network
- Integration in IBS of different manufacturers
- No external UPS required
- No frame grabber required for digital radars
- Standardized interfaces
- Part of the INTERSCHALT fleet management system

### 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



## **Voyage Data Recorder G4**

### Frame Grabber FGR 4

- Acquisition of data from video sources with VESA compliant analogue or DVI output
- IEC 61996 (1600 x 1200 / 60 Hz) compatible
- Automatic set up to specific radar types



### Field bus System

- Analogue and digital I/O, maximum 256 contacts
- Galvanic isolated contacts
- Easy installation on DIN rail



### Final Recording Medium MR 8

- Data recording of last 12 hours
- Pressure tested at 60 MPa (depth of 6000m)
- Fire resistant at 260° C for 10 hours or 1000° C for 1 hour
- Shock and penetration test according to IEC 61996



### Replay System

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



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**ENGINEERING & AUTOMATION**



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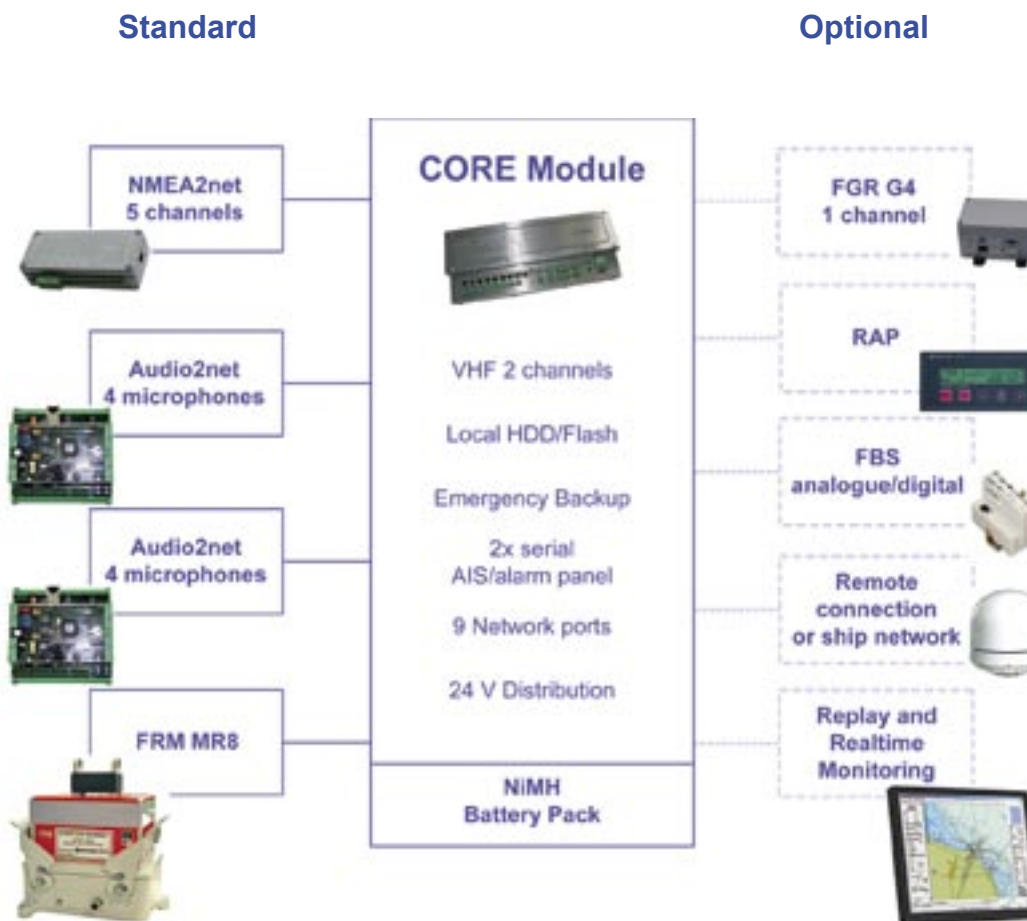
**Voyage Data Recorder**

- Modular and scalable
- Easy to service
- Competitive price

**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
- Digital interface to radars (several types)
- Easy to service, exchange of modules by “plug and play”
- Remote survey and maintenance via satellite or GSM
- Powerful replay software (incl. ECS functionality)
- Low power requirements

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**Standard modules**

CM	Core Module
NMEA2net	NMEA interface
Audio2net	VHF/Microphone interface
FRM MR8	Final Recording Medium

**Optional modules**

FGR-G4	Frame Grabber interface
RAP	Remote Alarm Panel
FBS	Field Bus System Interface