

Consilium VDR F2

– much more than a VDR.



Easily retrieved data

The recorded data in the VDR F2 is easily and securely retrieved from the unit's storage devices and can be used for many types of analysis, for instance after near-misses, incidents and accidents.

With our cloud applications (optional) such as Event Reports and Remote Playback the data can be transferred and viewed directly from the office via any Internet connection.

If required, an onboard connection to the system can be used as an additional source of centralised information for the crew.

Flexible

The VDR F2 is based on a modular platform which easily can be adapted to any type of installation and extended if new requirements appear. This makes the VDR F2 very suitable for both new buildings and retrofits, as well as for system integrators and suppliers of integrated bridge solutions.

User friendly

The system status is monitored and easily overviewed through a small size colour display. Full operational test including Radar and Ecdis image check is performed with a simple user interface. The USB port on the display can be used for fast and simple backup of recorded data.

Reliable

The VDR F2 is based on a platform designed in order to fulfil our high demands on quality and reliability. The hardware design is based on long experience from the marine industry and its functionality is well proven in use during operation on a large number of vessels around the world.

The VDR F2 system does not have any moving parts, which ensures a minimum of service and maintenance.

Remote Monitoring

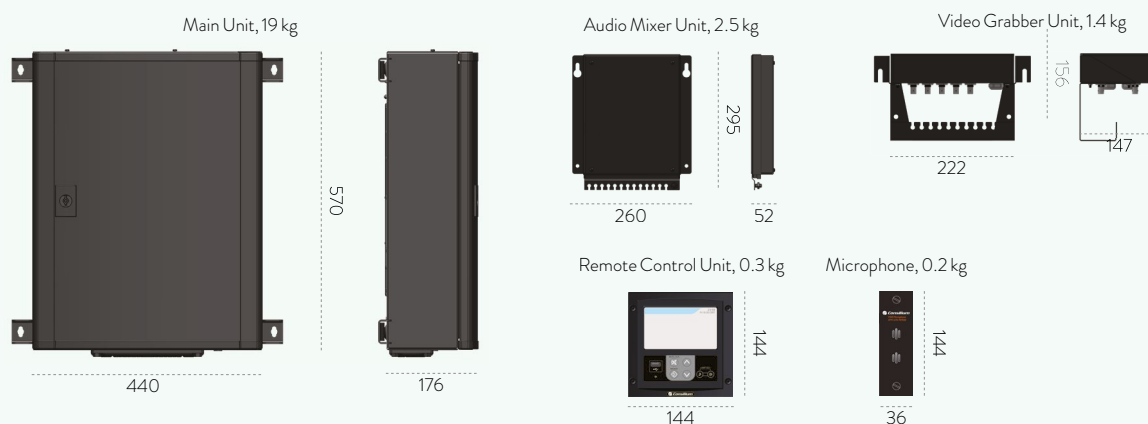
In order to provide a safe and efficient system, we have developed a Remote Monitoring solution for the VDR/S-VDR F1/S1 and VDR F2 generations.

With the Remote Monitoring solution, the VDR/S-VDR can be monitored from shore for diagnostics purposes, and configuration and SW upgrades can also be performed upon request. This offers numerous benefits for ship management in terms of cost efficiency, reduced maintenance, increased uptime and safety.



When Safety Matters

Technical specification



Measurements in millimetres. Images not to scale

Main Unit (MU)

Environmental conditions	IEC 60945 protected equipment IP22
Battery backup	2 hours of continuous audio recording
System voltage	115-230 VAC Power Consumption < 120 W
Recording period	720 hours/30 days
NMEA inputs	Up to 24 NMEA inputs (IEC611-62-1) 1 NMEA input (IEC 61162-2)
Data	Network streams 40 x (4800 Bd) / Serial streams (1x38400Bd) + 6/12/18 4800Bd (IEC61162-1) Rx/ Tx, IEC 62923-1/-2 (BAM)
Alarm management system	
Network Connection	100Base-TX (IEEE 802.3)
Protocols	Radar over LAN IEC 62388 annex H2 Modbus (TCP), IEC 61162-450 image transfer Proprietary
Service Communication	100Base-TX (IEEE 802.3)
Monitoring	Web viewer/monitoring and configuration

Audio Mixer Unit (AMU)

Environmental conditions	IEC 60945 protected equipment
Microphone inputs	8 microphone inputs
VHF inputs	2 inputs 0dBV
Max no of AMU	2 pcs

Video recording unit (VGU)

Environmental conditions	IEC 60945 protected equipment
Resolution	Up to WUXGA (1920x1200) and 60 Hz.
Capture interval	5-15 s.
Network video	4 network video, 15 sec interval
1 pcs VGU	2 analogue/ network video, 4 network video
2 pcs VGU	4 analogue/ network video
CCTV	4 inputs 5 s interval stored to PBB

Remote Control Unit (RCU)

Environmental conditions	IEC 60945 protected equipment
Display	TFT colour display
Built in functions	operational performance test OPT and USB backup and maintenance function

Fixed capsule (ProCap)

Environmental conditions	Compliant to IEC 61996-2
Record period	Min 48 hours
Fire protection	60 minutes at 1100°C. 10 hours at 260°C
Immersion	Impact 50 g, 11 ms and half sine shock 6 000 m depth for 30 days

Float free capsule (Tron)

Environmental conditions	Compliant to IEC 61996-2
Record period	Min 48 hours
Immersion	10 m depth at 5 minutes

Signal converter (DDU)

Environmental conditions	IEC 60945 protected equipment
	4/8/16 Analogue inputs +10V / +-20 mA/ 4-20 mA 8/16/24/48/ Digital inputs dry contact

Microphone AM2

Environmental conditions	IEC 60945 protected equipment Standard feature for automatic self-testing sequence. Housing for outdoor use, IP66 classed
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Benefits:

- ⊕ Easy to install
- ⊕ Easy to maintain
- ⊕ Flexible hardware configuration
- ⊕ Based on small, optimized modules
- ⊕ Remote diagnostics possibilities
- ⊕ High quality
- ⊕ No moving parts

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