Voyage Data Recorder VDR/S-VDR

SAL SVF-200
SAL SVS-200

Built on Decades of
Experience – Trusted by
Maritime Professionals
Worldwide

SAL NAVIGATION

Optimize Operational Efficiency and Minimize Downtime With SAL VDR Systems and our S2S Solutions

Gain immediate access to critical voyage data anytime, anywhere, through our cloud-based platform. Receive real-time data from vessels directly to shore, enabling faster, smarter decision-making. Whether it's for safety, operational efficiency, or sustainability, our cutting-edge applications allow you to customize alerts to suit your specific needs, giving you complete control over the information that matters most.

SAL SVF-200/SAL SVS-200

Unlock the Full Potential
Gain real-time access to vessel data and in-depth analytics for enhanced operational efficiency and safety. Built on the experience of thousands of installations, our VDR systems exceed mandatory requirements, delivering performance you can trust.

Key Capabilities:

- Real-time data access with our S2S Solutions.

- Seamless data transmission from ship to shore for safety and optimized operational efficiency.

- **Flexible Design:** SAL VDR systems are built for easy integration into both new builds and retrofits. They adapt to any vessel type, and can be expanded to meet new requirements, making them ideal for upgrading from other manufacturers.

- **Secure and Intuitive Playback**: Access and analyze voyage data onboard or remotely with intuitive playback tools. Customized real-time notifications via SAL Cloud ensure proactive fleet management.

- **Proven Durability**: Designed for the toughest marine environments, SAL VDRs have no moving parts, minimizing maintenance. Rugged hardware and built-in redundancy provide reliability.

- **Global Support**: Our 24/7 global service network ensures expert assistance, making replacements and retrofits quick and seamless.

- **Compliance and Certifications**: Fully certified to meet all current regulations, IMO and IEC standards. Multiple class approvals.

Key Figures

Recording period	Capsules: min. 48 hours, Long Term Storage: min. 30 days.
Battery backup	Two hours of recording upon power failure.
NMEA inputs	19 (standard), can be expanded.
NMEA outputs	1
Video inputs	4+ (over network or with video grabber), 15 sec. interval.
Audio inputs	8 microphones, 2 VHF (can be expanded).
Digital inputs (optional)	From 8 and up.
Analogue inputs (optional)	From 4 and up.

VHF radios

Microphones indoor / outdoor

Audio Mixer

NMEA signals

Images over network

Analogue / Digital Interfaces (Optional)

Video Grabber (Optional)

Main Unit

Display

USB backup

Fixed Capsule

Float Free Capsule

SAL Cloud

CloudBox (Optional)

Global Support and Easy Replacement with SAL Navigation

Whether you are retrofitting an existing system or installing a new one, our global service network ensures expert assistance is available 24/7, wherever your vessel operates. The flexible design allows for quick and easy replacements, making transitions from other brands seamless and efficient.

System Components

Standard

Height: 570 mm	Height: 144 mm	Height: 387 mm	Height: 553 mm
Width: 440 mm	Width: 144 mm	Width: 320 mm	Width: 236 mm
Depth: 176 mm	Depth: 110 mm	Depth: 320 mm	Depth: 214 mm
Weight: 19 kg	Weight: 0.3 kg	Weight: 19 kg	Weight: 4.8 kg

Main Unit
Operating voltage 115-230 VAC. 19 NMEA inputs (one high-speed) as standard (expandable). Network video recording. 30 days long-term data storage. Battery backup provides two hours of continuous recording upon power failure. Intuitive, web-based configuration tool.

Display
Operating voltage 24 VDC. TFT color display. Buttons for user interface control. Operational Performance Test (OPT) routine. USB port for quick voyage data backup and diagnostics logs.

Fixed Capsule *
Operating voltage 24 VDC. Storage capacity 32 GB, recording period min 48 hours. Fire protection 60 minutes at 1100 °C, ten hours at 260 °C. Impact protection. Immersion: 6000 m depth for 30 days.

Float-Free Capsule *
Operating voltage 24 VDC. Storage capacity 32 GB, recording period min 48 hours. Immersion: 10 m depth at 5 minutes. Heating bracket available.

Standard

Height: 295 mm
Width: 260 mm
Depth: 52mm
Weight: 2.5 kg

Audio Mixer Unit
Operating voltage 24 VDC. Inputs: 8 microphones, 2 VHF radios. Output: up to 8 mpeg-compressed audio channels after mixing. Built-in headphones jack makes installation and trouble-shooting easy.

Height: 144 mm
Width: 36 mm
Depth: 40 mm
Weight: 0.2 kg

Microphone
Frequency range 150 Hz - 6 kHz. Built-in self-test functionality. Can be fitted with outdoor housing (optional).

*) For a full VDR system, both capsules must be used. For S-VDR, one of the capsules is sufficient.

Optional

Height: 570 mm
Width: 440 mm
Depth: 176 mm
Weight: 13.5 kg

Signal Converter
Operating voltage 115-230 VAC. Number of inputs adaptable by use of modules. Analogue converters: from 4 inputs and up with ±10 V or ±20 mA. Digital converters: from 8 inputs and up with dry contact. Typical use: 32 digital and 4 analogue inputs. Max: 144 digital or 48 analogue inputs per cabinet.

Height: 168 mm
Width: 48 mm
Depth: 51 mm
Weight: 0.5 kg

Outdoor microphone housing
Protection class IP66. Modular design allows for using the same microphone for both outdoor and indoor installation.

Height: 150 mm
Width: 240 mm
Depth: 40 mm
Weight: 1.3 kg

Video Grabber Unit 2
Operating voltage 24 VDC. 3 x DVI contacts. Can record three screens (2 x DVI-D / DVI-A (VGA) + 1 x DVI-D) with resolution up to WUXGA (1920x1200) @ 60 Hz. Up to two modules can be used in parallel in the VDR system, thus covering six screens in total.

Height: 295 mm
Width: 260 mm
Depth: 52 mm
Weight: 2.5 kg

CloudBox
Operating voltage 115-230 VAC. Provides data storage from 250 GB and upwards. Connects to SAL Cloud via the vessel's internet connection. Configurable data category filters. Protected by built-in firewall.
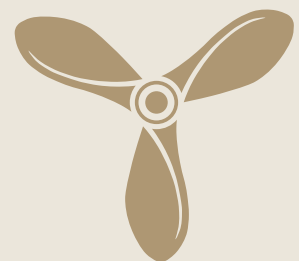
Product images not to scale, please refer to actual measurements. For more technical details, please see separate datasheets.

Navigation Towards
a Sustainable Future

SAL NAVIGATION