

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.





# 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  
Width: 440 mm  
Depth: 176 mm  
Weight: 19 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.



Height: 144 mm  
Width: 144 mm  
Depth: 110 mm  
Weight: 0.3 kg

### 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.



Height: 387 mm  
Width: 320 mm  
Depth: 320 mm  
Weight: 19 kg

### 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.



Height: 553 mm  
Width: 236 mm  
Depth: 214 mm  
Weight: 4.8 kg

### 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: 52 mm  
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 troubleshooting 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  $\pm 10$  V or  $\pm 20$  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

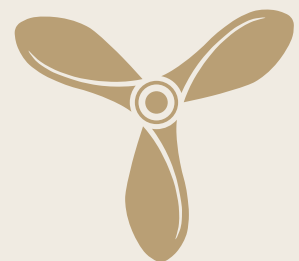
Operating voltage 24 VDC. 3 x DVI contacts. Can record three screens (2 x DVI-D / DVI-A (VGA) + 1 x DVI-D) with resolution up to WUXGA (1920x1200) @ 60 Hz. Up to two modules can be used in parallel in the VDR system, thus covering six screens in total.



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

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**SAL NAVIGATION**