

L-3 AR Maritime Products

SIMPLIFIED VOYAGE RECORDER (SVR 03)

The L-3 Simplified Voyage Recorder (SVR03) is a next generation final recording medium stored in a protective capsule, specifically designed to be forward fit and backwards compatible with a Simplified Voyage Data Recorder (S-VDR). The SVR03 provides a low cost of ownership solution for the IMO mandatory fitment of existing cargo and tanker vessels.



KEY FEATURES

- Compact and lightweight design, unibody casting
- New processor for faster download time
- Standard memory capacity exceeds 12 hours of voyage data (RADAR, audio and sensor)
- Scalable memory capacity for long term recording
- Long life, low operating power
- Meets or exceeds all required IEC 61996-2 and 60945 test specifications
- Non-proprietary web-based interface for setup and status
- Common software interface with previous models
- TCP/IP interface guarantees accurate data transmission between VDR and capsule



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PHYSICAL DIMENSIONS

Height:	21.50 cm (8.47 in)
Width:	18.20 cm (7.2 in)
Diameter:	17.78 cm (7 in)
Weight:	7.6 kg (16.76 lbs)

POWER REQUIREMENTS

Requirements:	24V DC
Consumption:	5W (75m run)

CABLING REQUIREMENTS

Data:	TCP/IP Ethernet CAT 5e cable(75 meters or less)
Power:	DC power cable AWG #20 (or less)

RECORDING TIME

12 hours of RADAR, sensor and audio data

ENVIRONMENTAL

Shock:	IEC 68227 50 g, 11 ms, half-sine shock
Fire Protection:	50,000 BTU/sq ft/hr for 60 minutes at 1100° and 10 hours at 260°C
Pressure:	6000 meters depth

UNDERWATER ACOUSTIC BEACON

SAE AS 8045 compliant, supplied with unit

TECHNICAL STANDARDS

IEC 60945 (exposed)
IEC 61996-2
IEC 61162
IEC 60945
BSH/4612/4290108/05

S-VDR CARRIAGE IMO REQUIREMENTS

The new rules stipulate that existing cargo ships on international voyages shall be fitted with an S-VDR as follows:

1. 20,000 gross tonnage and upwards constructed before July 1, 2002, at the first scheduled dry-docking after July 1, 2006 but no later than July 1, 2009
2. 3,000 gross tonnage and upwards but less than 20,000 gross tonnage constructed before July 1, 2002, at the first scheduled dry-docking after July 1, 2007 but not later than July 1, 2010
3. Administrations may exempt cargo ships from the application of the requirements when such ships will be taken permanently out of service within two years after the implementation dates specified above

L-3 Aviation Recorders Quality Management System is ISO 9001:2000 and AS9100:2004 Rev. B Certified

Aviation Recorders

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Aviation Recorders

L-3. Headquartered in New York City, L-3 Communications is a prime contractor in C3ISR (Command, Control, Communications, Intelligence, Surveillance and Reconnaissance) systems, aircraft modernization and maintenance and government services. L-3 is also a leading provider of a broad range of electronic systems used on military and commercial platforms.

This technical data and software is considered as Technology Software Publicly Available (TSPA) as defined in Export Administration Regulations (EAR) Part 734.7-11.

Data contained within this document are summary in nature and subject to change any time at L-3's discretion. Call for latest revision.

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