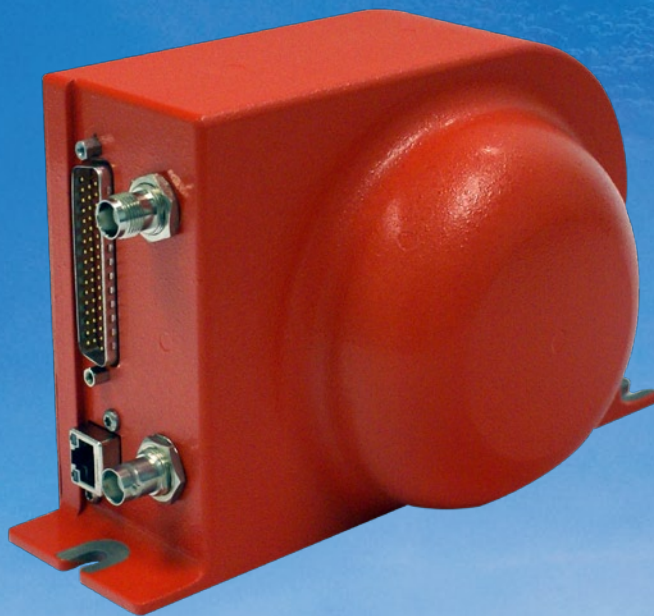


L-3 Aviation Recorders

LIGHTWEIGHT DATA RECORDER

The L-3 Lightweight Data Recorder (LDR) is a small, lightweight package providing crash protected recording of audio, image, and flight data on small General Aviation (GA) helicopters and fixed wing aircraft. Any subset of the total LDR capability can be utilized for any particular installation not intended for regulatory mandated applications. Installations may use only the image recording capability while others may want to exploit the full audio, image and GPS recording.



KEY FEATURES

- Crash survivable memory unit (CSMU)
- Optional internal/external GPS Receiver
- Digital area microphone
- Provisions for analog camera as video source
- Status monitoring and fault log management



L-3 Aviation Recorders

LIGHTWEIGHT DATA RECORDER

PHYSICAL DIMENSIONS

Height:	4.9 inches (12.45 cm)
Width:	4.0 inches (10.16 cm)
Depth:	8.0 inches (12.45 cm)
Weight:	<5 pounds (2.27 kg)
Reliability:	10,000 hours

POWER

Requirements:	28VDC
Consumption:	<7W nominal (without GPS, microphone and camera)

RECORDING

Time:	2 hours high quality audio, 2 hours GPS Data
Video:	30 minutes minimum at a rate of 5 frames per second

CONNECTORS

Video BNC:	30 minutes minimum at a rate of 5 frames per second
GPS RF Antenna TNC	
DSub 50-pin	
RJ-45 GSE Ethernet	

ENVIRONMENTAL

Temperature:	Operating: -55° to +70°C Non-operating: -55° to +85°C
Altitude:	Operating: -1000 to 50,000 ft
Vibration:	Cat S, standard, curve C, 1 hour/axis random (8.0)
Penetration	250 lbs/10 ft/1/4" probe
Static Crush:	5,000 lbs
Fire Protection:	50,000 BTU/sq ft/hour for 30 min. at 1100°C; 5 hrs. at 260°C
Impact:	1,000 g

OPTIONS

Microphone:	Analog or digital
Camera:	Analog

OPTIONS CONT'

GPS:	Internal or external inputs
Pilot Audio:	Analog



Side View



Back View

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

Aviation Recorders

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communications
Aviation Recorders

L-3. Headquartered in New York City, L-3 Communications employs over 64,000 people worldwide and is a prime contractor in aircraft modernization and maintenance, C³ISR (Command, Control, Communications, Intelligence, Surveillance and Reconnaissance) systems and government services. L-3 is also a leading provider of high technology products, subsystems and systems. The company reported 2007 sales of \$14 billion.

MKT059 Rev *B This technical data and software is considered as Technology Software Publicly Available (TSPA) as defined in Export Administration Regulations (EAR) Part 734.7-11.