

Flexible Recording Options: Five Models Available
Internal Recorder Independent Power Supply (RIPS) Option

CVR/FDR

Cockpit Voice and Flight Data Recorders

No Internal Batteries to Maintain
Helicopter Rotor Speed
Meets ED-112



Fifth Generation Recorders

Universal Avionics' fifth generation line of Cockpit Voice and Flight Data Recorders (CVR/FDR) includes five model options for a customized CVR, FDR, or combination Cockpit Voice and Flight Data Recorder (CVFDR) solution. To provide a backup power source in the event of a main power failure, the CVR and CVFDR models offer a patented, all-inclusive Recorder Independent Power Supply (RIPS) option.

The CVR and CVFDR models provide 120 minutes of cockpit voice and ambient audio recording, as well as 120 minutes of non-audio recording (UTC, rotor speed, data link messaging). The FDR and CVFDR models record at least 25 hours of flight data recording and interface with data downloader tools to allow quick download of data from virtually any aircraft between flights. The FDR and CVFDR also feature an Ethernet interface for on-aircraft data downloading.

The CVR/FDRs were developed in compliance with the rigorous testing and crash survivability standards stipulated by the FAA and other aviation authorities around the world and includes MOPS ED-112 compliance.

The CVR/FDR meet the following qualifications:

- TSO-C123b, Cockpit Voice Recorder Systems
- TSO-C124b, Flight Data Recorder Systems
- TSO-C155, Recorder Independent Power Supply
- TSO-C177, Data Link Recorder Systems
- EUROCAE ED-112, Minimum Operational Performance Specification for Crash Protected Airborne Recorder Systems
- FAA Revisions to Cockpit Voice Recorder and Digital Flight Data Recorder Regulations; Final Rule
- DO-160F
- DO-178B, Level D
- RTCA/DO-254 DAL D

Specifications

CVR/FDR Product Models

CVFDR-145 (Combined CVR and FDR unit)
CVFDR-145R (Combined CVR and FDR unit
with embedded RIPS)
CVR-120A (Baseline CVR)
CVR-120R (CVR with embedded RIPS)
FDR-25 (Baseline FDR)

Visit uasc.com/recorders to learn more about UA's full line of CVR/FDR, including available KAPTURE sixth generation models. KAPTURE CVR/FDR models are designed for operators seeking a recording solution that meets all of the latest certifications and requirements, including MOPS ED-112A compliance and EASA's 2021 25 hour CVR mandate.

Hardware

Size: Height 6.1 in.
Width 4.9 in.
Depth 8.0 in.
Weight: 8.6 lbs. with RIPS
8.0 lbs. without RIPS
Power: 28 VDC/115 VAC
Mounting: Circular connector, bolt-down mount

Recorder Independent Power Supply (RIPS)

Optional backup power allows the CVR/CVFDR to record data for 10 minutes +/- 1 minute after a power fail

Voice/Data Stored In Solid-State Flash Memory

Recording Times

120 minutes of cockpit voice and ambient audio (CVR, CVFDR)
25 hours of flight data (minimum) (FDR, CVFDR)
120 minutes of non-audio
(UTC, rotor speed, data link messaging) (CVR, CVFDR)

Maintenance on Condition Yields

Lower Cost of Ownership

No requirement for periodic maintenance
(excluding ULB)

ARINC-757 Compatible Recorded Inputs

Three crew microphones
One area microphone
Helicopter rotor speed
UTC or FSK time
Data link ARINC 758

ARINC 717 Flight Data Recording

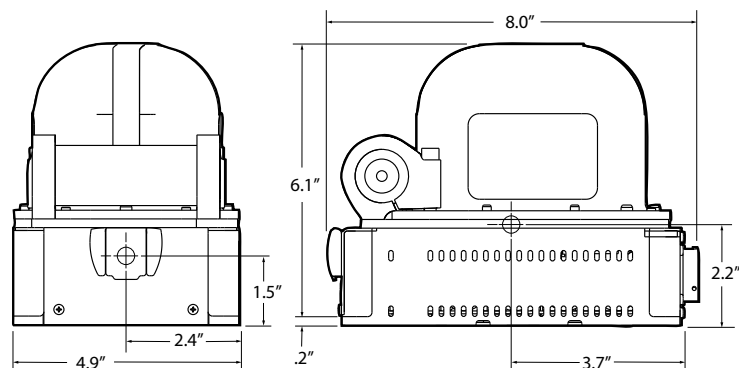
Additional data storage beyond 25 hours

Control Unit Options

Dzus mount or remote CCU

Test Set

PC-based ramp testing/diagnostic



Features and capabilities are representative of systems at time of printing. Please contact your Universal Avionics sales representative for the latest system enhancements. Specifications contained herein are subject to change without notice.

