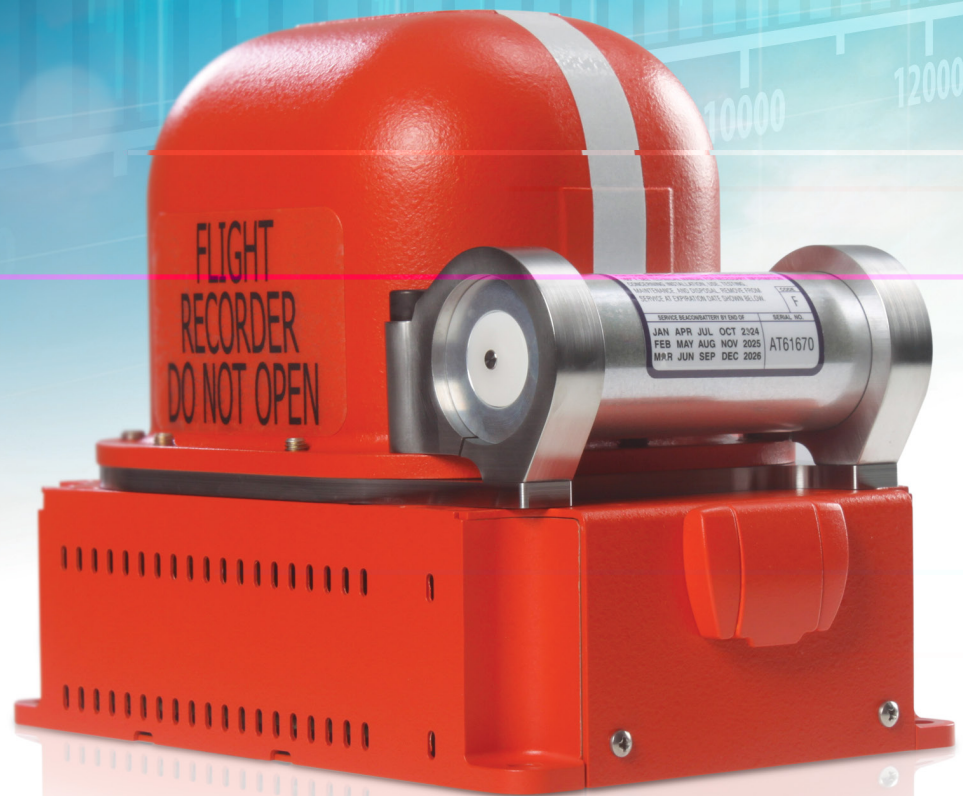


Flexible Recording Options: Five Models Available  
Internal Recorder Independent Power Supply (RIPS) Option

# 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](http://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: 28VDC/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

