| REVOLUTION RECORDER SERIES
REVO 200 CVFDR

The REVO 200 CVFDR meets all EUROCAE ED-112A requirements for all aircraft classes in CVFDR or standalone FDR or CVR requirements, including 25 hour cockpit audio and datalink/CPDLC.

Standard digital recording interfaces include:

- ARINC717 (auto rate detection up to 2,048 wps)
- ARINC429 (4 channels, automatic rate)
- ARINC825 (single channel)
- RS422/485 (single channel)
- 10/100 Ethernet (3 ports) (e.g. for video recording)

No specialist GSE tools are required for download with an internal web server and standard modular ethernet jack able to connect to a standard portable computer. A restricted-access custom aircraft interface cable can be used to support download of CVR audio data without need for removal from the aircraft and subsequent recertification. A standard Internal TPM 2.0 security chip also enhances cyber security when connected to other ethernet based aircraft systems.

The unit incorporates dual redundant 28VDC power inputs as well as internal Recorder Independent Power Supply (RIPS) as standard to support 10 minute backup.

Dimensions	120mm (4.7") width, 202mm (8.0") depth, 84mm (3.3") height
Weight	Less than 2kg (< 4.4 lb) with standard RIPS
Mounting Type	Flanged with Qty 4 #10 QPL fastener (e.g. NAS1352-3-10)
Mounting Orientation	Unrestricted
Construction	Aluminium AMS QQ-A-200/8, ASTM-B221
Finish	MIL-DTL-5541 Type II Class 3 on exposed and faying metal surfaces MIL-PRF-85285 Top Coat (Aviation Orange)
Power supply input	Dual 28 VDC nominal, 10 to 80 VDC, DO-160 CAT Z
Power supply consumption	Maximum 14 watt
Power supply hold-up energy	10 minutes minimum (Internal Recorder Independent Power Supply)
Input Connector	MIL-DTL-38999 Series III, D38999/20FG35PN
Mating Connector	MIL-DTL-38999 Series III, D38999/26FG35SN
Operating Temp. (operating)	-55 to +71 degrees Celcius
Operating Temp. (non-operating)	-55 to +85 degrees Celcius
Operating Altitude	Up to 55,000 ft
Environmental Qualification	RTCA DO-160G
Design Assurance	RTCA DO-178C Level D
Design Approvals	TSO-C123c, TSO-C124c, TSO-C177a, TSO-C155b
Production Approvals	FAA TSOA, FAA 8130-3 Release

Expansion capabilities via internal daughter cards include:

- 8 Channel Analog (including internal Flight Data Acquisition Unit for conversion to ARINC-717)
- MIL-STD-1553B or Dual Channel CAN Aerospace
- Asymmetric (RSA-2048) & Symmetric (AES-256) encryption of recorded data
- Cellular download option (global frequency bands and embedded SIM)
- Internal sensor pack (precision three axis accelerometers and gyroscopes)

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