

DTMUX DVR

Airborne digital video recorder

DZUS Version

D.T.MUX DVR (Digital Video Recorder) has been designed for airborne video surveillance and search and rescue needs. Airborne digital video recorder, with Full HD 1080p, H.264 or MJPEG 2000 compression capacity.

This unit permits to record and replay one HD channel in same time or record one to four HD video channels with post replay.

DTMUX DVR offers two ways to download the video data, either directly with the removable memory cartridge or by connecting a USB stick directly on the front panel. The recorded data is directly readable on any computers who support H.264 Codec.

Applications: For Police (Traffic surveillance...), for coast guard (Search and rescue, Maritime traffic Surveillance...), for Military airborne surveillance, any mission of Reconnaissance/Surveillance



Unit advantage

- Full HD 1080p channels or lower resolution
- One to Four HD video channels
- H.264 or JPEG 2000 compression
- Lightweight video mission recorder
- Record and playback in same time capacity
- Quick access recorder (QAR) with removable SSD
- USB connector to download directly video on USB stick
- User front panel NVG compatibility
- Remote control/Download data via Ethernet (Option)
- HD 1080p Video recording capacity and playback
- Compatible with lower resolution
- Capacity to playback frame by frame
- More than 10 hours of video recording available
- H.264 or MJPEG 2000 Compression available
- Dzus mount ease Racking (Or hard mounting)



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General dimensions

- Height: 3.4 inches, 85.6 mm
- Width: 5.7 inches, 146 mm
- Depth: 6.5 inches, 166 mm
- Weight: 3lbs, 1.4 Kg max

Supply Voltage

28v DC Nominal

Compliant with MIL STD704 D/E standard MIL STD704 D/E

Consumption: about 15 to 25 watts (depend of configuration)

Cooling

Passive convection

Mounting

DZUS or Customized mounting

Connector Type

MIL 38999 types on rear side (Other type available)

HD-SDI BNC or other available for video IN/OUT on rear side

USB (On the front)

Temperature

- Operating: - 40°C to + 71°C.
- Extreme of temperature in use: - 55° C to 85° C (no destructive)
- Storage: - 55°C to + 85°C
- Compliant with test procedure MIL STD 810D method 520.0(procedure III)

Humidity

- In storage: 5% to 95%
- In use: 5% to 95 % without condensation
- MIL STD 810D method 507.2 (procedure III)

Altitude and decompression

- Min: -1500 feet, max: 60,000 feet
- With 12.000 feet/minute (420 Kpa/minute)

Vibrations

- 0,04 g² of 5 to 1000 Hz, 1 hour per axis (3 axis)
- Compliant with MIL STD 810D-E method 514.3 (procedure 1)

Shocks

- 1/2 sinus , > 60g, 11 ms (6/2 axes)
- Compliant with MIL STD 810D-E method 513.3 (proc.1&2)

Accelerations

- 10 g (6/2 axes)
- Compliant with MIL STD 810E method 513.3 (Standard procedure 1 & 2)

Crash test

- 20g on 3 axes
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EMI/EMC

- Compliant with MIL-STD-461E Standard

