



High Definition Video Recorder

High Definition Video Recorder and Data Transfer System

- ◆ Records up to 4HD and 4SD video channels
- ◆ H264 High Profile
- ◆ Interfaces include Video, 2*RS-422/485, Ethernet(1000BT) and 4*Mil-Std-1553.
- ◆ Records on rugged Disk-On-Key and/or SSD
- ◆ Light weight. Low power consumption
- ◆ High reliability
- ◆ Mil-Std-704A compatible-28 VDC powered.
- ◆ Fully qualified per Mil-Std-810F



The HD/SD Video Recording Module (HDVR) is a compact rugged Digital Video and Data Recorder, as well as a Data Transfer System (DTS). The HDVR is designed for use as either a panel mount or “hot plate” mount unit, on Airborne or Ground Vehicles. Capable of recording critical mission video and data for long periods of time, the HDVR provides a very reliable source of video and data recording and transfer. When operating as a DTS the unit is controlled over either the Ethernet 1000 BT, RS-422 or Mil-Std-1553 channels.

The use of a rugged “disk-on-key” or SSD as the recording media provides a low power, light weight solution for applications requiring low-cost reliable data storage.

Debriefing recorded data is accomplished by either physically removing the rugged DOK/SSD from the recorder and inserting into a reader on a PC based Debriefing Station, or by downloading the recorded data over the Ethernet channel.

Debriefing software is provided using the Integrated Debriefing Environment (IDE). The IDE software package provides synchronized video and data on the same PC screen. Alternatively, recorded video and data can be viewed on separate screens.



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Specification

- Interfaces: 4 channels HD, 4 Channels SD Video,
2 channels audio
HD: 4*1080p30 or 2*1080p60
SD: PAL/NTSC, Full D1
4*Mil-Std-1553 - (optional Remote Terminal or Bus Monitor)
RS-422/485 control and Telemetry channels
Ethernet 10/100/1000 BaseT control, recording with custom filters
- Compression: H.264
- Storage: 1 SDD-upto 640GB, 1 USB DOK-upto 128 GB
- Power: 28 VDC, Mil-Std-704A, max 10 watt
- Weight: Less than 1500 gram.
- Dimensions: W=127 mm, H=70 mm, D=153 mm
- Environmental: Temperature: Operating: -40°C to +71°C
Storage: -40°C to +85°C
Vibration: Functional: 7.6 grms 5-2000 Hz
Endurance: 9.8 grms 5-2000 Hz
Shock: Functional: 17 g, 40msec
Humidity: 95% RH
Altitude: 50,000 ft
Salt Fog: Mil-Std-810F, Method 509.4
Acceleration: 8g peak
- RFI: Compliant with Mil-Std 461

