



## Digital Video Recorder and Data Transfer System

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



The Digital Video Recording Module (DVRM) is a compact rugged Digital Video and Data Recorder, as well as a Data Transfer System (DTS). The DVRM 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 DVRM 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 10/100 BT or Mil-Std-1553 channels.



The use of a rugged "disk-on-key" 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 Compact Flash from the recorder and inserting it 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.

## Specification

- Interfaces: 4 channels SDI Composite Video, Audio or  
1 Channel HDI and 1 audio  
SDI: CVBS, PAL/NTSC, Full D1  
HDI: RGB or component  
PAL/NTSC, 525i/p, 625i/p, 720i, 720p  
RS-422/485 control and Telemetry channels  
Ethernet 10/100 BaseT,  
Mil-Std-1553 – (optional Remote Terminal or Bus Monitor)
- Compression: H264
- Storage: 1 USB DOK – up to 32 GBytes
- Power: 28 VDC, Mil-Std-704A, max 10 watt
- Weight: Less than 900 gram.
- Dimensions: W=146 mm, H=38 mm, D=127 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

