MDR MISSION DATA RECORDER

MDR-MP (Man Pack)

MDR-V (Vehicular)

Specifications

- Single channel composite NTSC
- 1 channel line-level audio
- Integrated CAN (Controller Area Network) Interface
- Frame rate: 30 fps
- Resolution: D1 (720 x 480)
- Encoding: MPEG4
- Voltage: 9-36 VDC
- Power consumption: 12 W
- Size: 6.5 x 3 x 2.25 inches
- Storage: 160GB SSD
- Bitrate: 4Mbs (per channel)
- Control interface with GPS pendant (metadata stored)
- Internal battery backed Real Time clock (GPS synchronized)
- Download interface: USB port
- Weight: 1.6lb (approx)
- Enclosure: O-ring gasket sealed
- CNC milled, anodized and iridited, aluminum
- Temperature: -20C – 55C (passively cooled)
- Shock: MIL-STD-810F (Method 516.5)
- Thermal: MIL-STD-810F (Method 503.4)
- Vibration: MIL-STD-810F (Method 514.5)

Specifications

- Four channel composite NTSC input
- 1 channel line-level audio (integral matrix)
- Frame rate: 30 fps
- Resolution: up to D1 (720 x 480)
- Encoding: MPEG1,2,4
- Voltage: 9-36 VDC
- Power consumption: 31 W
- Size: 8 x 6.375 x 2.75 inches
- Storage: 120GB internal SSD
- Bitrate: 4Mbs (per channel)
- Control interface with GPS pendant (metadata stored)
- Internal battery backed Real Time clock (GPS synchronized)
- Download interface: Ethernet port
- Weight: 6.8 lb
- Enclosure: O-ring gasket sealed
- CNC milled, anodized and iridited, aluminum
- Designed to meet:
  - Temperature: -20C – 55C (passively cooled)
  - Shock: MIL-STD-810F (Method 516.5)
  - Thermal: MIL-STD-810F (Method 503.4)
  - Vibration: MIL-STD-810F (Method 514.5)
Engineered to provide 8 channels of Ultra Low Latency (ULL) video, the DVR-RM provides operators with a powerful video recording and management system. The DVR-RM is easily adaptable to any mobile platform and can be easily integrated into any hardware and software system.

DVR-RM provides system developers, integrators, and operators with an easy-to-use solution for mobile video data storage, retrieval and management challenges.

**Capabilities**
- 8 channels of digital video recording
- Integrated analog video matrix
- Digital video streaming over network
- Ultra Low Latency (Glass to Glass under 250ms)
- Video snapshot capability
- Configurable video parameters
- Text Overlay (Video Stream & Snapshots)
- Remote Operation
- Removable Solid State Drives
- PTZ control for steerable cameras
- Data recording up to 10 days continuous video

**Specifications**
- Size/Dimensions: 48.26 x 13.10 x 53.59 cm
- Operating Voltage: 24VDC, 120VAC
- Hard Drive Storage: 1.4 / 2.0 Terabytes
- CNC-machined, anodized, aluminum case
- 8 Serial connections for PTZ cameras
- 8 analog BNC connections
- 4 analog video outputs, 4 analog control outputs
- Ethernet connection
- Front access, USB, VGA, and video input

Engineered around a low power microprocessor technology, DVR-RP is a small, compact, lightweight, and transportable system. Mated to signal conditioned power and isolation circuitry, DVR-RP offers a low power consumption with a wide input power range. DVR-RP is easily adapted to virtually any mobile air, sea, or land platform.

DVR-RP provides system developers, integrators, and operators, with an easy-to-use and easily installed solution to mobile data storage, retrieval and management challenges.

**Capabilities**
- 4 or 8 Channels Video Recording
- Quad Screen Recording
- Still Image Capture
- Direct interface to CC FLIR
- GPS Data Input
- Multiple control interface (HTTP, CAN, Ethernet)
- Video Distribution with Switching (4 in x 4 out)
- Configurable video parameters
- Text Overlay
- USB2.0 or Ethernet NAS storage interface
- Software Development Kit available

**Specifications**
- IP67 Rated, MIL-STD 810F
- 14” LCD x 7.875”W x 4.625”H
- 13.2 lbs
- CNC machined aluminum, anodized, iridited
- O-ring sealed connections for Ethernet, USB, Deutsch
- Operating voltage: 18VDC to 36VDC
- Power Consumption: 24VDC 18W
- Temperature: -20C to 70C
- DVR-RP with RSD Compatibility Mod, NSN: 5836-01-621-4008
- DVR-RP, NSN: 5836-01-619-5554
- DVR-RP Wiring Harness, NSN: 5995-01-621-6020
- DVR-RP Quick Release Mount, NSN: 5975-01-621-0858
- DVR-RP RSD Install Kit, NSN: 7025-01-621-7141
- DVR-RP Download Kit, NSN: 7025-01-621-4649