Rugged HD-MDR

Azimuth Rugged Mission Data Recording System

Withstanding the harsh environments

Rigorously tested against high-speed military combatant craft, the HD-MDR provides sea, land, and air systems with a powerful computing system that can operate as a stand-alone MDR or as part of a larger system to fill the need for quality, reliable, rugged mission video needs.

An ultra rugged MDR
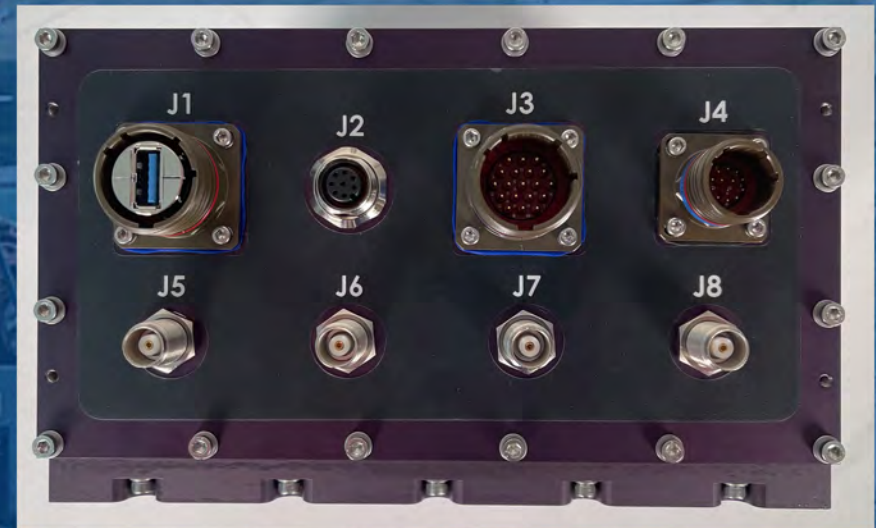## built to withstand the toughest environments.

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Capabilities

- **Four HD-SDI inputs**
    - **Frame rate: 30 fps**
    - **Resolution 1080p**
    - **Stereo AAC Audio Encoding through HD-SDI**
    - **KLV Metadata capture through HD-SDI**
- **Four additional NTSC/PAL/RS-170 composite inputs**
    - **Frame rate: 30 fps**
    - **Resolution: up to D1 (720 x 480)**
- **Encoding: H.264/MPEG-4**
- **Simultaneous Recording and Streaming Video**
- **Four Composite Zero Latency Video Outputs**
- **Internal Composite Video Matrix Switch**
- **Multi-video Multi-frame Snapshot Capture**

Specifications

- **Voltage: 9-36 VDC**
- **Power consumption: 36 W**
- **Size: 9.7 x 7.9 x 4.8 inches**
- **Weight: 13.5 lbs**
- **Storage Options**
    - **2TB internal SSD**
    - **External USB Drive**
    - **External NAS**
- **Internal battery backed Real Time clock (GPS synchronized)**
- **Download interface: Gigabit Ethernet port**

Environmentals

- **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)**

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