



FUTURIS

Avionics Grade Data Recorder Unit With 4x10GbE

Avionics-Grade Data Recorder Unit with 4 × 10GbE is a rugged, defense-grade module capable of transceiving up to 40 Gb/s of Ethernet data. It provides real-time onboard recording of 10 Gb Ethernet data streams to an internal SSD with up to 32 TB of storage capacity.

Leveraging Futuris' latest cold-pluggable, interchangeable memory module technology, the unit enables rapid and secure data extraction in the field while maintaining avionics-grade protection and reliability standards.

I/O Connections

- 4× 10 Gb Ethernet interfaces
- RS-422 interface
- USB 2.0
- DC 28V ±5V power input (MIL-STD-1275E)

EMC

Qualified to MIL-STD-461G, including:

- CE101, CE102
- CS101, CS114, CS115, CS116, CS117, CS118
- RE101, RE102
- RS101, RS103

Optional Additional I/O

Interface configuration tailorable to customer-specific requirements.

Custom GUI software package for accessing and downloading recorded SSD data via Ethernet





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I/O Connections

- Ethernet – x8 10/100/1000Base-T
- Video Inputs
 - 3G-SDI x2
 - Analog Video x8
- Video Outputs
 - 3G-SDI x4
 - Analog Video x1
 - HDMI x1
- Serial – RS422 x1, CANBus x2

Qualifications

- MIL-STD-810G, Method 501.5 Procedur I
- MIL-STD-810G, Method 502.5 Procedur I
- MIL-STD-810G, Method 507.5 Procedur I
- MIL-STD-810F, Method 516.5 Procedur I

Optional Additional I/O

- Discrete Input x9
- Discrete Output x10
- 12 Volt DC Output (1A) x3

