



FUTURIS

Data/Video Recorder Unit for Defense Applications

The Data/Video Recording Unit(DRU) is designed to record infrared (IR) video and target data received via the Ethernet interface from three separate Sensor Units operating in two different bands (MW and LW). The data is recorded to a Removable Memory Module.

The DRU can simultaneously record 6 panoramic video streams, 5 magnified video streams, and track data, or 2 RAW video streams at 60 fps, detection data at 5 fps, and track data at 5 fps.

It can also play back recorded video data. Recorded data can be transferred from the 4 TB, 3 Gbps Removable Memory Module to a computer via Ethernet or USB 3.0.

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

Optional Additional I/O

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





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EMC

- MIL-STD-461F, CE101 / CE102
- MIL-STD-461F, CS101 / CS114 / CS116
- MIL-STD-461F, RE101 / RE102
- MIL-STD-461F, RS101 / RS103



Enclosure

- Power – DC 28±5 Volt MIL-STD-1275E
- Power Consumption <30W
- Power Consumption (with NVIDIA – Idle) <45W
- Dimensions – 275mm x 250mm x 93mm
- Weight – 4kg

