RECON|100

MISSION DATA RECORDER

#Avionics

VIDEO & AUDIO & DATA RECORDING
RELIABLE & HIGH CAPACITY MEMORY UNIT

aselsan

RECON 100

MISSION DATA RECORDER

Mission Data Recorder (RECON 100) is an avionic system designed by ASELSAN to compress and record video, audio and mission data.

Analog video interfaces such as RS-170, PAL, NTSC and digital video interfaces such as HD-SDI, Display Port are supported in RECON 100.

Videos are efficiently recorded in the memory unit using the H.264 compression algorithm. Audio inputs are synchronously embedded into video stream.

Thanks to its high capacity Removable Memory Module (RMM), multiple video and audio data can be stored. Easy and fast data transfer is possible through a standard PC via USB 3.0 interface of the RMM.

By means of its secure erase capability, it is possible to irreversibly destroy recorded critical data in a short time.

The RECON 100 can operate in the harsh environmental conditions of fixed and rotary wing platforms with its reliable, durable design, advanced conduction and natural convection cooling techniques.

With its compact and rugged design and multiple interface support, the RECON 100 can be integrated into different aerial platforms.

General Specifications
- Multiple Interface Support
- Compact Design
- Compatible with Different Mounting Interfaces
- Conduction Cooling
- Removable and Portable Memory Module
- Secure Erase Capability
- 1 TB Memory Capacity

Interfaces
- HD-SDI Digital Video I/O Interface
- Display Port Digital Video I/O Interface
- NTSC/ PAL Analog Video I/O Interface
- ARINC-429 I/O Interface
- Serial Interface (RS-232/RS-485/RS-422)
- Discrete I/O Interface
- Ethernet (10/100/1000 Mbps) Interface
- Dual Redundant MIL-STD-1553B Interface

Physical Specifications
- Dimensions: 130mm (W) x 164mm (H) x 240mm (L)
- Weight: < 4.5 kg

Technical Specifications
- Power Input: 28 VDC (Nominal)
- Power Consumption : 35W (Nominal) / 50W (Maximum)
- Power Hold-Up for Short Time Power Interrupts

Environmental Conditions
- Operating Temperature and Altitude   : -40°C / +71°C, 50.000 ft
- Storage Temperature   : -55°C / +85°C

Qualifications
- MIL-STD-810H
- MIL-STD-461E
- MIL-STD-704A/F
- DO-160E

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