

## Rugged Recorder

## ASREC

### Product Overview

ASREC is a high speed, reliable data, video, audio, and other interfaces robust recorder.

ASREC carries high performance on one-piece rugged Data Recorder and / or Management Computer designed specifically for Airborne, Land & Naval Military Tactical field recording & monitoring applications.

ASREC targets to high-end of field recording power and enables easily a lab playback by its removable Flash or magnetic storage.

ASREC acquires all tactical data physical and logical formats and effectively compress the data for recording. Data compression enables long time recording to customer's demand. On average, ASREC enables 4 hours of video and other interfaces.

The modular construction of the ASREC allows attachment of additional range of peripherals, accessories, and interfaces.

The ASREC supports Windows2000/XP/9x, Linux/R.T./Embedded, QNX, R.T. Kernels, as well as other operating systems and platforms.

The ASREC standard version operates from 20 - 30 VDC power source. With dimensions of only 3.5" / 5.3" High x 10" Wide x 11" Deep. The ASREC is ideally suited for embedded applications required to survive harsh environments.

The ASREC carries a 3 years warranty.



### Applications

- High-Speed Flight Data / Video Recording
- Military Tactical Field-Recorder
- Rugged Environment Computer
- UAV Monitoring & Control
- Missiles Data Processing
- Video and Data Acquisition
- Cockpit Voice & Data Recording
- Video Surveillance for Public Transportation



## Features

- Dual processor system
  - Management CPU
  - Video and data compress processor
- Memory up to 1 GB SDRAM
- Inherent frame grabber to 15/30 fps.
- Recording & Monitoring interfaces:
  - Video In - Composite
  - Isolated Digital I/O – 8 bits
  - 2xRS-232/422/485 Ports
  - 2x USB
  - 2x 1553
- Additional optional ports
  - Video- LVD, DV, RS170 analog
  - FireWire 1394
  - Arinc 429
  - Analog I/O, Audio
  - Fiber Channel
  - 1 Gbit Ethernet
  - Up to 50 GB removable flash disk
  - Removable hard drive, micro drive, compact flash, PC CARD
- Standard Interfaces: Parallel port, Keyboard & mouse  
10/100 Ethernet, USB, audio – AC'97 Standard.
- VGA Support up to 1600x1200 with up to 64 MB Shared with System Memory.
- LCD Interface
- Removable Flash or Hard Disk.
- Expandable Construction.
- Complete Array of Rugged Peripherals
- Shock & Vibrations enhancement Kits Available
- Warranty - 3 Years

## Environmental Characteristics

### Humidity:

Operating/storage: MIL-STD-810C Method 507.3 Proc. 195% RH (non condensation)

### Temperature:

Operating: -35°C to +55°C.

Intermittent: -40°C to +70°C

Optional: -40°C to +80°C (consult factory)

### Vibrations:

Hard Mount: MIL-STD-810D, Method 514.3, Category 4, Table 514.3- II & Fig. 514.3-25A

Shock Tray Mount: MIL-STD-810D, Method 514.3, Category 6

### Shock:

Operating: MIL-STD-810D, Method 516.4, Proc. I, -15g 11ms. Saw Tooth

### Explosive:

MIL-5400, Par. 3.2.2.4.10

### EMI/RFI:

MIL-STD-461D

### DRIP PROOF:

MIL-STD-810E

### ALTITUDE:

Operating: 15,000 ft.

75,000 ft. is optional

None Operating: 80,000 ft

## Software

- Recording and playback for all interfaces
- Single synchronized Time Stamp for all interfaces
- Runs for playback also on desktop PC with same captured data files



## Physical Characteristics

- Size: 3.5", 5.3" High x 10" Wide x 11" Deep
- Weight: 3.7 Kg.
- Power supply: 20– 30 VDC