

Airborne Network Flight Recorder



Applications

- Airborne networked recording
- High speed airborne recording

Features

- Intelligent, network-based IP flight recorder
- High-speed data recording:
 - nREC-4000S-1**
 - Up to 20 MBps data recording rate
 - Two 100BASE-T Ethernet interfaces for data
 - nREC-4000S-2**
 - Up to 200 MBps data recording rate
 - Two Gigabit Ethernet interfaces for data
- Integrates one media storage cartridge
 - Capacities up to 128 GB of solid-state memory, with or without Secure Erase
 - Commercial temperature range cartridges available for 64 GB and 128 GB
- Processor-based recorder
 - Reporting of recorder statistics, including performance and storage remaining
 - Real-time health monitoring
 - Support for Simple Network Management Protocol (SNMP)
- Supports IEEE 1588 time protocol
- IRIG AC/DC time input
- IRIG DC time output
- 1PPS output
- 100/1000BASE-T Ethernet download port
- Serial RS-232/422 console port
- General-purpose input/output
- Ruggedized for airborne applications
- 22 to 36VDC power supply to support operation from standard aircraft power
- Compatible with TTC's network-based acquisition systems

Description

The nREC-4000S-X airborne networked recorder is based on TTC's popular SMS-4000 recorder unit. The unit records data from a network-based data acquisition system. The recorder houses a data cartridge, which can record data from a network of high-speed data acquisition and multiplexing units. The recorder has built-in intelligence enabling it to provide recorder statistics and continuous health monitoring. The unit supports Simple Network Management Protocol (SNMP) and is configured over the network.

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nREC-4000S-X Datasheet

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