

Airborne Network Flight Recorder



Applications

- Airborne networked recording
- High speed airborne recording

Features

- Intelligent, network-based IP flight recorder
- High-speed data recording:
 - Up to 20 megabytes/sec data recording rate
 - Two 10/100BASE-T Ethernet interfaces for data
- Integrates one media storage cartridge
 - Capacities up to 128 gigabytes of solid-state memory
 - Capacities up to 120 gigabytes of hard-disk memory
- 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
- 10/100/1000BASE-T Ethernet download port
- Serial RS-232/422 console port
- General purpose input/output
- Ruggedized for airborne applications
- 28VDC power supply to support operation from standard aircraft power
- Compatible with TTC's network-based acquisition systems

Description

The nREC-4000S-1 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 at up to 20 megabytes/sec. 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 via the network fabric.

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nREC-4000S-1 Datasheet

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