

Airborne Network Flight and Radar Recorder



Applications

- Airborne networked recording
- High-speed airborne recording
- Radar recording

Features

- Intelligent, network-based IP flight recorder
- High throughput, high-capacity recorder that complements TTC network-based data acquisition systems
- High-speed data recording:
 - Up to 200 MBps data recording rate, depending on quantity and type of media
 - 1000BASE-T (Gigabit Ethernet) interface(s)
- Integrates one to eight drives:
 - Single-cartridge unit supports writing to one or more drives concurrently
 - Capacity up to 1 terabyte per cartridge
 - Solid-state storage media
- Processor-based recorder features:
 - Statistical reporting of recorder functions, including performance and available storage
 - Real-time health monitoring
 - Support for Simple Network Management Protocol (SNMP)
- SCSI-compatible media addressing
- IEEE 1588 IRIG-B time support
- Ruggedized for airborne applications
- 28VDC power supply supports operation from standard aircraft power

Description

The nREC-6000 airborne networked recorder communicates with a network of high-speed data acquisition and multiplexing units using one or two copper Gigabit Ethernet links. It offers hardware support for IEEE 1588 time distribution from the network and IRIG-B time.

An additional Fast Ethernet port can be used for dynamic management through the network for diagnostics or data download. A serial port provides console connection.

The recorder houses one cartridge with a record rate of up to 200 MBps. Its built-in intelligence provides recorder statistics and continuous health monitoring. Standard SCSI protocol provides communication with the storage media.

The nREC-6000-1 allows for several options for mounting the unit. It may be mounted on a 1 ATR mounting tray in either a horizontal or vertical orientation. The nREC-6000-2 can be special-ordered from the factory with a base flange for direct mounting.

The nREC-6000 supports RAID level 0.

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nREC-6000-X Datasheet

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