

NetAcquire® Video Acquisition and Distribution

NetAcquire®

Real-Time Video/Audio
Recording and Viewing

The NetAcquire audio/video option offers a real-time solution for video capture, digital compression, and distribution over Ethernet and telemetry networks. Both audio and video signals may be recorded and viewed over LAN, WAN, or wireless networks.

Highlights

- Ruggedized hardware supports military and flight applications
- Simultaneously share and display up to six video streams across multiple destination computers
- Includes two channels of synchronized audio embedded in each video stream
- Control video quality and bandwidth with configurable MPEG compression settings
- Support a wide variety of network distribution protocols including UDP and TCP
- Analyze video data off-line from archived video recordings
- Easily configure NetAcquire system operation from any local or remote Web browser to change setups quickly
- Audio/video viewer applications available for a variety of operating systems



Data Routing and Networking Features

- Very low latency data handling
- Publish to network with standard TCP or UDP sockets
- Configurable multicast "one-to-many" data distribution support
- Selectable real-time data reformatting and network protocol conversion with the NetAcquire Data Flow Engine
- Video data display applications operate from any connected PC

Video Capture/Compression Features

- Support software-selectable composite or S video inputs
- Video compression hardware to optimize bandwidth
- High accuracy IRIG time-tagging with millisecond resolution
- Configurable close-captioned overlay display of video acquisition time
- Selectable data quality parameters (including constant and variable bit rate compression)
- Remote setup and monitor via the network
- Format data in accordance with MPEG II standards



Data Recording/Archiving Features

- Selective recording of all or a some of the video streams
- Time stamping of individual messages
- Easy export of data to various PC applications
- FTP transfer of captured files automatically or on demand
- Recording format options include IRIG 106-2001 Telemetry Standards Chapter 10 Recording Standard

