

Miniature Network Video Encoder Unit



Applications

- Video recording or remote monitoring
- Cockpit video, HUD, MFD, and external stores
- Remote communications
- Flight test integrity monitoring

Features

- Networked MPEG-2 video encoder unit
- Provides one video input channel:
 - accepts RS-170A video signal and NTSC, PAL, or SECAM video format
 - accepts Composite, S-Video, or Component RGB + Sync
- DVD-quality video (MPEG-2 profile MP @ ML)
- Provides one audio input channel:
 - programmable input level, stereo or mono
 - MPEG-1, level 2 compression
- Network communication via Fast Ethernet (100BASE-T)
- Supports IEEE 1588 to acquire coherent global timing information via the network
- HTTP web interface for dynamic parameter adjustment:

Video

- input signal: Composite, S-Video, or RGB + Sync
- input format: NTSC, PAL, SECAM, or test pattern
- frame size: D1, 1/2 D1, CIF, or QCIF
- compression: VBR
- compressed video bit rate: 1 to 8 Mbps
- timestamp location for each output video frame

Audio

- mode: mono or stereo
- input voltage in mono mode: 1 to 40 Vp-p; output bit rate: 64 - 384 Kbps

- Supports audio / video stream timestamp for channel data correlation
- Programmable time annotation overlay position within active video region
- SNMP MIB for statistics monitoring
- Serial port communications available for camera control (e.g., pan, tilt, zoom)
- Environmentally sealed package
- Extremely small installation footprint

Description

The MnVID-2000 is a network compatible video encoding unit. The unit accepts composite, S-Video, or component RGB + Sync, with high or low-level audio inputs. Compression bit rate and frame resolution are user-programmable to optimize network bandwidth. The unit delivers packetized video data to other network nodes for display, archive, or telemetry. The unit has a RS-422 compatible serial port to control a remote camera. The MnVID-2000 is fully compatible with IEEE 1588 to synchronize to the network clock for data time tagging.

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MnVID-2000 DataSheet

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