

JPEG-2000 RGB Video Acquisition Module



Applications

- Flight test instrumentation
- Avionics data acquisition unit
- Air vehicle test, certification, or development
- Ethernet-based distributed network systems
- System safety monitoring

Features

- Plug-in video acquisition module for the MnHSD-2000-1 product
- Accepts composite video or S-Video input
- NTSC or PAL Format
- Video compressed to JPEG-2000 format
- Compression ratios from 25:1 to 100:1
- Output frame rates from 1 to 30 fps
- Programmable features include:
 - Video source
 - Compression ratio
 - Output frame rate
 - Time overlay
- Multiple MCVC-501J-1 modules are supported per MnHSD-2000-1 stack
- Programmable using TTC's TTCWare software application

Description

The MCVC-501J-1 is a plug-in video acquisition module for TTC's Miniature Network High-Speed Data Acquisition Unit (MnHSD-2000-1). It accepts one channel of composite video (selectable from four sources) or one S-Video channel (selectable from two sources.)

The encoded video data is available for output on the host encoder's output stream for transmission and recording purposes. The video is compatible with TTC's Ground Station System (GSS) software.

The MCVC-501J-1 provides Coordinated Universal Time (UTC) time overlay capability. Timestamping is provided with the compressed video stream for retrieval during playback.

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MCVC-501J-1 Datasheet

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