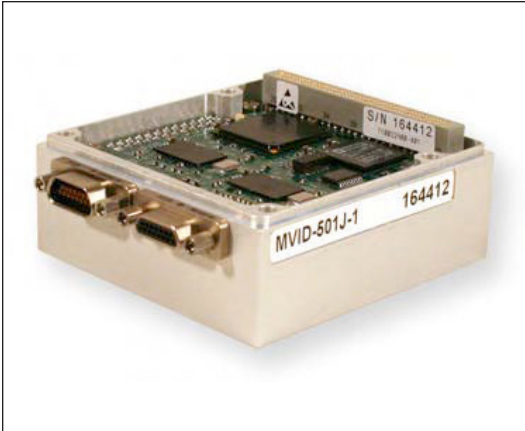


High-Resolution JPEG-2000 RGB Video Acquisition Module



Applications

- Flight test instrumentation
- 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
- Resolution from 320x400 / 60 Hz to 1600x1280 / 80 Hz
- Accepts separate, composite or sync-on-green
- Video compressed to JPEG-2000 format
- Compression ratios from 10:1 to 100:1
- Output frame rates from 1 to 15 fps
- Programmable features include:
 - Video timing
 - Compression ratio
 - Output frame rate
 - Time overlay
- Two MVID-501J-1 modules are supported per MnHSD-2000-1 stack
- Fully programmable using TTCWare and ICMS™ management and configuration system

Description

The MVID-501J-1 module adds RGB video acquisition capability to the TTC MnHSD-2000-1 Miniature Network High-Speed Data Acquisition Unit. RGB data is captured and made available for transmission at lower, programmable frame rates.

The encoded video data is output by the host encoder for transmission and recording. The video is converted back to its original format using TTC's HDViewer or Ground Station System software (GSS).

The MVID-501J-1 has UTC time overlay capability and a timestamp is attached to the compressed video stream to facilitate retrieval during data playback.

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MVID-501J-1 Datasheet

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