

High-Definition JPEG-2000 DVI 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 product
- DVI/HDMI video input up to 1080p/60fps
- 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
- Fully programmable using TTCWare

Description

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

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

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

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MDVI-501J-1 Datasheet

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Specifications subject to change without notice.

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