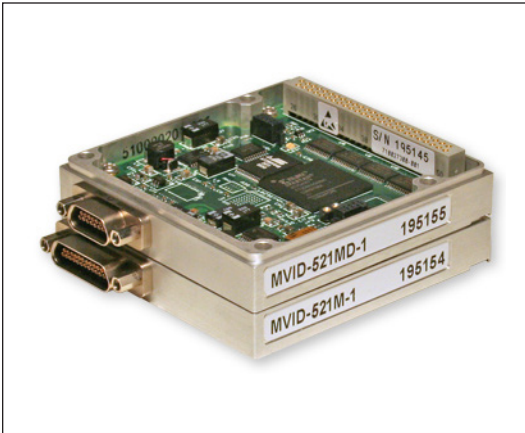


### MPEG-2 Video/Audio Acquisition Module for Miniature Network High-Speed Data Acquisition Unit (MnHSD-2000)



#### Applications

- Data acquisition systems
- Flight test data recording
- Flight test instrumentation
- Laboratory testing

#### Features

- For use in Miniature Network High-Speed Data Acquisition Unit (MnHSD-2000)
- Accepts 1 video input based on selection
  - Composite Video (one of four video inputs) or,
  - S-Video (one of two video inputs) or,
  - RGBS (terminated or un-terminated) or,
  - RGB (w/Sync on Green)(terminated)
- Video compression compliant with MPEG-2 main profile
- NTSC or PAL resolution (Full D1, ½ D1, or CIF or QCIF)
- Range of bit rate selections
- Timestamps with programmable screen location
- Accepts 1 audio input based on selection
  - One stereo (L+R) – up to 4Vp-p
  - One mono audio channel
    - Low level - up to 4Vp-p
    - High level - up to 40Vp-p
  - MPEG-1 L2, L3 compression or linear
- Creates MPEG-2 transport stream
- Programmable features include:
  - Adjustable video compression levels
  - Multiple video resolution levels
  - Provides embedded time in transport stream
- Supports IEEE 1588 time
- Multiple MVID-521M-1 modules can be placed in a single stack
- Configurable using TTC's programmable software application

#### Description

The MVID-521M-1 module adds MPEG-2 video/audio acquisition capability to TTC's Miniature Network High-Speed Data Acquisition Unit (MnHSD-2000). The module provides MPEG-2 video compression of any one of nine video input channels. Effective video compression rate varies from 500 Kbps to 10 Mbps. The compression rate is a function of user-programmable video compression levels, and video resolution levels. One mono (low or high level) or one stereo audio channel can be acquired. The module also provides time annotation overlay with programmable position.

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#### MVID-521M-1 Datasheet

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