

H.264 DVI/VGA/CVBS High Definition Video/Audio Acquisition Module for the MnHSD-2000



Applications

- Data acquisition systems
- Safety of flight telemetry
- System integration

Features

- Video and audio acquisition module for TTC's Miniature Network High-Speed Data Acquisition Unit (MnHSD-2000)
- Accepts 1 video input based on selection
 - DVI/HDMI
 - Composite Video
 - S-Video
 - RGB (VGA, SOG, Composite Sync)
- H.264/MPEG-4 AVC/MPEG-4 Part 10, Baseline Profile, up to 10 Mbps
- Time annotation with programmable screen location
- Resolution up to 1080p, capable of resolution decimation
- Output frame rate up to 30 f/s
- Accepts 1 audio input
 - Stereo audio – up to 4 Vp-p
 - Low level mono audio – up to 4 Vp-p
 - High level mono audio – up to 40 Vp-p
- Audio encoding options
 - MPEG Audio layer 2 (MP2)
 - MPEG Audio layer 3 (MP3)
 - Linear PCM
- Multiple modules can be placed within a single stack
- Provides embedded timestamp into video stream
- Adjustable brightness, contrast and hue
- Programmable using TTCWare™ software application

Description

The MVID-541M module set adds one channel of H.264 High Definition (HD) or Standard Definition (SD) video/audio acquisition capability to TTC's Miniature Network High-Speed Data Acquisition Unit (MnHSD-2000). The module provides H.264 video compression for any one of the video inputs. Effective video compression rate varies from 512Kbps to 10 Mbps. Input pictures are pre-processed with de-interlacing and adjustment of brightness, contrast and hue. Output frame rate can be decimated down to 1 frame per second, and output resolution can be re-sampled to a lower resolution. One mono (low or high level) or one stereo audio channel can be acquired. The compressed video and/or audio are multiplexed into an MPEG-2 transport stream. The module also provides time annotation overlay with programmable positioning.

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MVID-541M Datasheet

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 Specifications subject to change without notice.

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 System
 AS9100C
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