

H.264 3G/HD-SDI Video/Audio Acquisition Module for the MnHSD-2000



Applications

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

Features

- 3G-SDI/HD-SDI video and audio acquisition module for TTC's Miniature Network High-Speed Data Acquisition Unit (MnHSD-2000)
- Accepts 1 video input:
 - 3G-SDI (1080p/60)
 - HD-SDI (720p/60)
- 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
- 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
- Programmable using TTCWare™ software application

Description

The MVID-541S module set adds one channel of H.264 High Definition (HD) video/audio acquisition capability to TTC's MnHSD-2000. Effective video compression rate varies from 512Kbps 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. 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-541S Datasheet

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Specifications subject to change without notice.

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