

H.264 3G/HD-SDI Video/Audio Acquisition Module



Applications

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

Features

- 3G-SDI/HD-SDI video and audio acquisition module for the MEDAU/MCDAU/MWDAU/MnACQ and MARM products
- Accepts 1 video input:
 - 3G-SDI (1080p/60)
 - HD-SDI (720p/60)(1080p/30)
- H.264/MPEG-4 AVC/MPEG-4 Part 10, Baseline Profile, up to 20 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-301S module adds one channel of H.264 High Definition (HD) video/audio acquisition capability to TTC's MEDAU/MCDAU/MWDAU/MnACQ/MARM airborne data acquisition units. Effective video compression rate varies from 512Kbps to 15 Mbps. 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 MPEG-2 transport stream. The module also provides time annotation overlay with programmable positioning.

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MVID-301S Datasheet

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Specifications subject to change without notice.

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