

2 or 4-Channel MPEG-2 Video/Audio Encoder Interface Card



Applications

- Airborne data multiplexer
- Airborne data recorder
- Flight Test instrumentation
- Lab Test

Features

- For use in TTC's AIM/HS-AVDAU product line
- Two (2) or Four (4) video/audio independent inputs
- Accepts Composite or S-Video signals
- Video compression is compliant with ISO MPEG-2 standard
- Programmable per channel features include:
 - Multiple video compression settings
 - Multiple video resolution formats
 - NTSC or PAL
- Video and audio are multiplexed into a single MPEG-2 stream on a per-channel basis
- MPEG-2 bitstream is packetized per IRIG-106 Chapter 10 Format 1
- Provides embedded time in each channel's transport stream (future)
- Interfaces to a customized CompactPCI® 66Mhz 64-bit bus
- Multiple VID-302/304 cards can be supported within a single chassis

Description

The VID-302 (VID-304) is a 2-channel (4-channel) video/audio interface card for use in TTC's AIM/HS-AVDAU product line. The VID-302 (VID-304) occupies one I/O slot in the host chassis. The card accepts either composite or S-Video per-channel, as well as a stereo audio input per-channel. The card offers several compression levels as well as several video resolution formats programmable by the user on a per-channel basis. The card will decode NTSC or PAL video formats. Compressed/encoded video/audio transport streams are packetized per IRIG-106 Chapter 10 Format 1. Embedded time in the bitstream will be available in the future via a software upgrade. The card interfaces with the host chassis backplane using a customized 66Mhz 64-bit CompactPCI® bus. One or more VID-302 (VID-304) cards can reside in a single host chassis.

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VID-302/304 Datasheet

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