

### 2-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 MUX-300X products
- Two (2) Video/Audio independent channels
- Accepts Composite, S-Video or Component RGB + Sync input
- Video compression is compliant with ISO MPEG-2 Standard
- Programmable per channel features include:
  - Adjustable Video Compression levels
  - Multiple Video resolution levels
  - NTSC or PAL Video
- Video and Audio are multiplexed into a single MPEG-2 stream on a channel basis
- MPEG-2 Bit Stream is packetized per IRIG-106 Chapter 10 Format1
- Provides embedded time in each channel's transport stream
- Interfaces to customized CompactPCI 33Hz-32-Bit Bus
- Multiple XVID-302 cards can be placed in a single chassis

#### Description

The XVID-301 (XVID-302) card is a 2-channel Video/Audio interface card for use in TTC's MUX-300X products. The XVID-301 (XVID-302) occupies one I/O slot in the host chassis. The card accepts composite, S-Video or component RGB + Sync per channel, as well as high or low-level audio input per channel. The card offers variable compression levels as well as several video resolution levels programmable by the user on a channel basis. The card will decode NTSC or PAL video formats. Compressed/Encoded Video/Audio transport streams are packetized per IRIG-106 Chapter 10 Format1. The card interfaces with the host chassis's backplane using a customized 33MHz 32-Bit CompactPCI® Bus. One or more XVID-302 cards can reside in a single host chassis.

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#### XVID-302 Datasheet

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CAIS  
Compatible



Management  
System  
AS9100C  
ISO 9001:2008

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