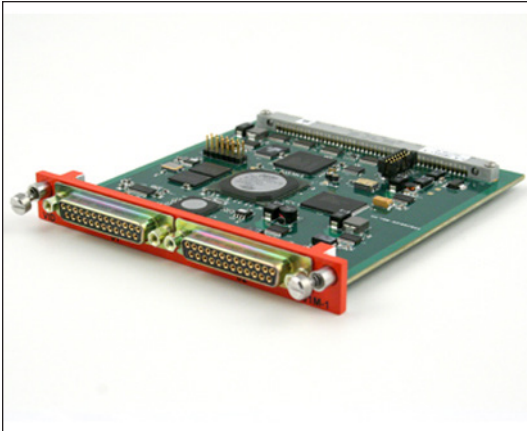


H.264/MPEG-4 Video/Audio Acquisition Card



Applications

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

Features

- Video and audio acquisition card for the EDAU/CDAU/WDAU/nDAU-20XX products
- Accepts 1 video input based on selection
 - DVI/HDMI
 - Composite Video
 - S-Video
 - RGB (VGA,SOG)
- H.264/MPEG-4 AVC/MPEG-4 Part 10, Baseline Profile, up to 20Mbps
- 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 cards can be placed within a single chassis
- Provides embedded timestamp into transport stream
- Adjustable brightness, contrast and hue
- Programmable using TTCWare™ software application

Description

The VID-301D card adds video/audio acquisition capability to TTC's EDAU/CDAU/WDAU/nDAU-20XX airborne instrumentation controllers. The VID-301D utilizes H.264 video compression algorithm, a next generation of video encoder, which has better compression efficiency compared to MPEG-2 and MPEG-4 implementation. It accepts a variety of input sources, such as DVI, HDMI, Composite video, S-Video and RGB. Resolution is up to 1920x1080. Effective video compression rate varies from 512Kbps to 20 Mbps. One mono (low or high level) or one stereo audio channel can be acquired. The card also provides time annotation overlay with programmable positioning.

Revision 05/13/2015

VID-301D-1 Datasheet

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Specifications subject to change without notice.

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CAIS
Compatible



Management
System
AS9100C
ISO 9001:2008

Teletronics - A Curtiss-Wright Company
15 Terry Drive, Newtown, PA 18940
phone: 267.352.2020 fax: 267.352.2021 Sales@ttcdas.com

www.ttcdas.com