

MPEG-2 Video/Audio Acquisition Board



Applications

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

Features

- Plug-in video/audio acquisition board for the EDAU/CDAU-20XX product
- Accepts composite video or S-video input
- Video compression is based on:
 - MPEG-2 algorithm
 - Advanced discrete cosine transform
 - Inter-frame coding
- Audio is two channel mono or one channel stereo with programmable gain from 5Vp-p to 40Vp-p
- Programmable features include:
 - Eight video compression levels
 - Selectable four video resolution level
 - NTSC or PAL video
 - Operation under format control or stand-alone
 - Insertion of time annotation on the video
- Video and audio are multiplexed into a single MPEG II stream
- Output data rate of 2Mbps minimum
- One CVC-101M boards can be placed within a single chassis
- Programmable TTCWare™ software application

Description

The CVC-101M board adds video/audio acquisition capability to TTC's EDAU/CDAU-20XX Airborne Data Acquisition Unit. The board provides one video channel input, and one audio stereo channel (or two mono channels) input. Effective video compression rate varies from 2 Mbps to over 4 Mbps. The compression rate is a function of user-programmable video compression levels and video resolution levels. In addition, the board provides time annotation overlay with programmable position.

Revision 09/28/2010

CVC-101M Datasheet

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Teletronics Technology Corporation
15 Terry Drive, Newtown, PA 18940
phone: 267.352.2020 fax: 267.352.2021 Sales@ttcdas.com

www.ttcdas.com