

MPEG-4 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 5 composite video and 3 S-video inputs (one of 8 video inputs selectable)
- Video compression compliant with MPEG-4 simple profile
- NTSC or PAL resolution (full D1, ½ D1, or ¼ D1 (SIF))
- Wide selection of frame rates
- Any one of two selectable stereo audio channels with programmable gain from 4Vp-p to 40Vp-p. Audio uses ADPCM format
- Programmable features include:
 - Adjustable video compression levels
 - Multiple video resolution levels
 - NTSC or PAL video
 - Operation under format control or stand-alone
 - Provides embedded time in transport stream
- Multiple CVC-401M-1 boards can be placed within a single chassis
- Programmable TTCWare™ software application

Description

The CVC-401M-1 board adds MPEG-4 video/audio acquisition capability to TTC's EDAU/CDAU-20XX airborne data acquisition unit. The card provides MPEG-4 video compression of any one of eight video input channels and two stereo audio channels. Effective video compression rate varies from 64 Kbps to over 2 Mbps. The compression rate is a function of user-programmable video compression levels, and video resolution levels. In addition, the card provides time annotation overlay with programmable position.

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CVC-401M Datasheet

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