

MPEG-4 Video/Audio Acquisition Module



Applications

- Data Acquisition Systems
- Safety of Flight Telemetry
- System Integration

Features

- Video/Audio acquisition module for the MEDAU/MCDAU/MW-DAU-2000 and MARM products
- Accepts 1 Video input based on selection
 - Composite Video (one of four video inputs) or,
 - S-Video (one of two video inputs) or,
 - RGBS (terminated or un-terminated) or,
 - RGB (w/Sync on Green)(terminated)
- Video compression compliant with MPEG-4 Simple Profile
- NTSC or PAL Resolution (Full D1, ½ D1, or CIF (QCIF))
- Range of bitrate selections
- Time Stamps with programmable screen location
- Accepts 1 Audio input based on selection
 - One stereo (L+R) – up to 4Vp-p
 - One Mono audio channel
 - Low level – up to 4Vp-p
 - High level - up to 40Vp-p
 - MPEG-1 L2, L3 compression or Linear
- Programmable features include:
 - Adjustable Video Compression Levels
 - Multiple Video Resolution Levels
 - Operation under format control
 - Provides embedded time in transport stream
- Multiple modules can be placed within a single stack
- Programmable TTCWare™ software application

Description

The MVID-401M-1 module adds MPEG-4 video/audio acquisition capability to TTC's MEDAU/MCDAU/MWDAU/MARM Airborne Data Acquisition Unit. The module provides MPEG-4 video compression of any one of nine video input channels. Effective video compression rate varies from 125Kbps to 6.6 Mbps. The compression rate is a function of user programmable video compression levels, and video resolution levels. One mono (low or high level) or one stereo audio channel can be acquired. The module also provides time annotation overlay with programmable positioning.

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MVID-401M-1 Datasheet

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