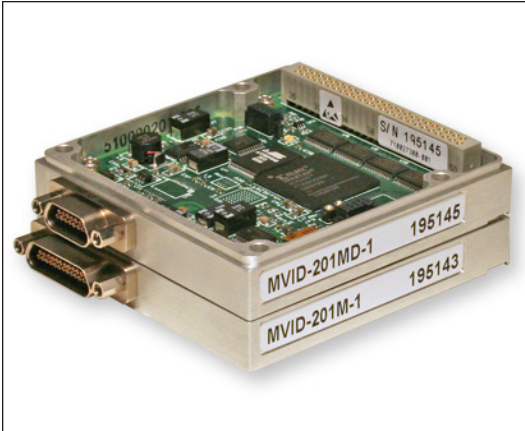


MPEG-2 Video/Audio Acquisition Module



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-2 Main Profile
- NTSC or PAL Resolution (Full D1, ½ D1, CIF or 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
- Creates MPEG-2 Transport Stream with constant bitrate
- 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™ or ISS™ software application

Description

The MVID-201M-1 module adds MPEG-2 video/audio acquisition capability to TTC's MEDAU/MCDAU/MWDAU/MARM Airborne Data Acquisition Unit. The module provides MPEG-2 video compression of any one of four video input channels. Effective video compression rate varies from 512 Kbps to 10 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 position.

Revision 05/13/2015

MVID-201M-1 Datasheet

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 System
 AS9100C
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