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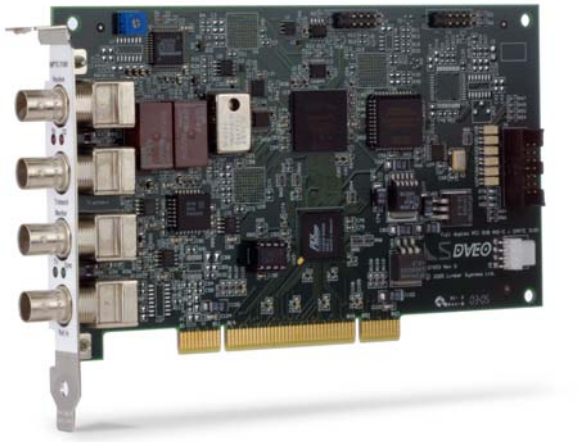
Redundancy Oriented ATSC Master II FD™

ATSC Master II FD, PCI 2.2 Interface With Optional A or B Selectable Inputs, Dual Outputs, Accurate Clock, Internal Serial Numbers, PID Filtering, Snoop and Watchdog Functions, Internal Loopback, External Loop Through, and GPIO triggers.

San Diego, CA - DVEO will demonstrate the ATSC Master II FD at IBC 2005. The ATSC Master II FD is designed to import and export transport streams via the SMPTE 310M standard. The original ATSC Master FD was the only card of its type for the last 3 years and until now remained the only PCI card that brings this SMPTE 310M I/O functionality to video servers.



The ATSC Master II FD is designed to replace the venerable ATSC Master FD. It includes several important features that are necessary to fit in to modern video servers such as the mechanical bypass on power failure, secondary input, and watchdog timer, making this board ideal for critical broadcast applications based on the PC platform.

“With this second generation ATSC PCI interface that offers many redundancy features, the PC now can compete effectively with proprietary backplane-based

processors to enable the wider deployment of PC-based digital video processors," stated Les Zoltan, Sales Manager for DVEO. "In North America, television head-end equipment uses the SMPTE 310M interface to carry MPEG-2 transport streams between video servers and back end equipment such as transport stream multiplexers, ad inserters, electronic program guides, and of course ATSC (COFDM) modulators," Zoltan went on to say.

Applications for ATSC Master II FD include:

- Transporting of MPEG-2 over long distances meeting FCC requirements
- Moving MPEG-2 transport stream to/from the PCI bus for processing
- Interfacing MPEG-2 to PCI bus encoder/decoder boards
- Interfacing to general studio equipment
- Interfacing to video servers

When used with a PC, ATSC Master II FD will capture MPEG-2 transport streams for future playback or offline analysis using a bit-stream analyzer. ATSC Master II FD outputs transport packets for use in an ATSC broadcast chain or multiplexer.

Features

- Windows API and Linux SDK
- 33/66 MHz 32 bit universal PCI interface
- Two SMPTE 310M inputs, primary BNC and optional secondary via header
- Two buffered SMPTE 310M outputs
- Software control of primary or secondary input source selection
- Optional mechanical relay bypass on power failure
- Software controlled firmware loop-back bypasses the primary input to both outputs
- "Snoop" function for reading input data while in firmware bypass
- On-board circuitry to monitor transport stream quality
- Control Interface port
- 6 general purpose optically isolated inputs
- Status output for firmware loop-back
- Rx and Tx status indicators via LEDs
- External override input for the bypass relay
- Software readable, unique serial number on each board
- Field upgradeable firmware
- Software selectable transmit clock source
- External clock input, 38 MHz PECL signal
- Conforms to SMPTE 310M specifications

Configuration Options

ATSC Master II FD Standard board
-R Add the Mechanical by-pass relay
-S Add the Secondary Input

Development Software

Windows Synchronous API
Linux Master Driver SDK

Suggested Retail Price: ATSC Master II FD: $1,995.00 US

About CMI and DVEO

CMI, founded in 1982 by Laszlo (Les) Zoltan, is a privately held company headquartered in San Diego, California. DVEO, the recently formed Broadcast Division of Computer Modules Inc., sells DVB ASI, SMPTE 310M, SMPTE259M, SMPTE292M, and HDTV products to the top television broadcast companies throughout the world.

For more information on CMI and DVEO, please contact Rebecca Gray at +1(858) 613-1818. To download DVEO's press releases and product images visit the news section at http://www.dveo.com.

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