

Contact: Rebecca Gray  
Marketing Manager  
DVEO division of Computer Modules, Inc.  
858-613-1818  
rebecca@computermodules.com

## Immediate Release

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# DVEO to Demonstrate Real Time HDV to DVB-ASI Converter at NAB

## FireBridge™ Converts HDV Output From JVC GY-HD100U and Sony Z1U Video Cameras to DVB-ASI

**San Diego, CA** -- DVEO, the broadcast division of CMI, will demonstrate FireBridge™, their HDV to DVB-ASI converter with FireWire® input, at the NAB show next week. Designed for broadcasters and content providers, FireBridge converts high definition 1394 output from the new generation of HDV cameras to DVB-ASI for use in professional environments.

As an advanced capability,  
when used with the JVC GY-  
HD100U camcorder,  
FireBridge converts the  
camera's 1394 firewire output

from 720 30p to 720 60p making the output fully compatible with standard broadcast 720 60p equipment. FireBridge is the only ASI bridge available today with this advanced feature.



FireBridge also converts 25 to 27 Mbps variable bitrate (VBR) output from the Sony Z1U HDV camcorder to 27 Mbps constant bitrate (CBR).

FireBridge is a real-time transport stream converter that takes the FireWire output of HDV cameras and converts this signal to a more prevalent form known as DVB-ASI. FireBridge output is compatible with DVB-ASI equipment from Tandberg, Terayon, and Harmonic. FireBridge is also compatible with DVEO's T-Streamer/ASI™, a transport stream recorder/player with a built-in transport stream analyzer. In addition, FireBridge has been tested to work with JVC's DVHS 3000 series consumer high definition VCR's.

“Our customers are very excited about using FireBridge with the JVC GY-HD100U and the Sony Z1U camcorders. FireBridge is especially well-suited for reality TV, satellite uplinks, electronic news gathering, and movie or video ‘dailies’, or any application that needs cost-effective HD content,” stated Laszlo Zoltan, Sales Manager for DVEO. “FireBridge replaces \$60,000 HD cameras and \$40,000 MPEG-2 encoders.”

FireWire, also called IEEE 1394 or iLink, is a cross-platform standard for high-speed digital connections between computers and peripherals – providing up to 800 megabits per second.

Transport streams are a type of MPEG-2 video stream used by broadcasters to distribute content. This type of MPEG is not sent as a file, but sent as a series of packets with additional information included to help the decoder decide how best to process them.

HDV is a brand new high-definition video format established by JVC, Sony, Canon and Sharp. DVEO is one of the latest members of the HDV Format Supporters. HDV supports both 19 and 25 megabit-per-second MPEG-2 transport streams that

record to existing standard DV format digital videocassettes, including the Mini-DV shell.

FireBridge is Linux®-based, and designed for dependable 24/7 operation.

FireBridge is designed as an appliance that requires no changes or settings.

## Supplemental Information for Press Release

### Features

- HDV Input, DVB-ASI Output
- Features “FrameX” conversion – converts output from the JVC GY-HD100U camcorder to 60 frames per second
- Features “CBR” conversion – converts 25 to 27 Mbps variable bitrate (VBR) output from the Sony Z1U HDV camcorder to 27 Mbps constant bitrate (CBR)
- Captures compressed video via SerialBus IEEE Std. 1394 (FireWire) in the following HDV formats:
  - 19.75 Mbps 720p MPEG-2 TS (JVC)
  - 25 Mbps 1080i MPEG-2 (Sony)
- Full compliance with the latest DVB standards insures interoperability, high video quality, and exceptional performance
- 19 inches wide, 10 inches deep
- Designed for 24x7 Operation
- Successfully tested to work with:
  - Sony Z1U HDV Camcorder – outputs 27 Mbps
  - JVC GY-HD100U Camcorder – outputs 19 Mbps
  - JVC DVHS HDM 3000 and HDM 4000 tape recorders
  - JVC DM-D4600U HDTV decoder
  - Major brands of transport stream multiplexers such as Terayon Cherry Picker™
  - High definition IRD's (satellite receivers) with ASI inputs from Tandberg, Leitch, and Harmonic
  - DVEO's T-Streamer/ASI™ transport stream recorder

### Specifications

- Supported Management Interface:
  - IEEE 802.3 100/10 Base-TX Ethernet interface (RJ-45)
- Supported Video Formats:
  - 19.75 Mbps 720p MPEG-2 TS (JVC)
  - 25 Mbps 1080i MPEG-2 TS (Sony)
- Quiet, compact, low-powered 1RU rackmount unit
- Reliable embedded Linux® design is always on when powered up

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FireWire is a registered trademark of Apple Computer, Inc.  
HDV and HDV logo are trademarks of Sony Corporation and Victor Company of Japan, Limited (JVC).  
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**Suggested Retail Price:** FireBridge for HDV – \$4,995 U.S.

**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 digital video and high definition television (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 or [rebecca@computermodules.com](mailto:rebecca@computermodules.com). To download DVEO's press releases and product images visit the news section at <http://www.dveo.com/>.

DVEO, 11409 West Bernardo Court, San Diego, CA, 92127  
Web: [www.dveo.com](http://www.dveo.com) phone: +1 (858) 613-1818, fax: +1 (858) 613-1815