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## Immediate Release

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## DVEO Launches Low Latency HD Videoconferencing Building Blocks

**San Diego, CA** -- DVEO, the broadcast division of CMI, announced today that they will introduce their new low latency videoconferencing components at the Hollywood Post Alliance Technical Retreat for post production professionals. The retreat will be held in Rancho Mirage, California, from January 31 to February 2.

DVEO's La Jolla ("The Jewel") MPEG-2 based low latency videoconferencing building blocks offer two basic components to realize affordable HD videoconferencing for managers and executives who need to have the very best quality of interaction over long distances. The core offering is a real time, HD, MPEG-2 encoder with IP output.



**La Jolla HD™ Videoconferencing  
Encoder and Decoder**

The latency can be as low as 60 milliseconds. The complementary component for videoconferencing is a real time HD MPEG-2 decoder that also features low latency of 100 milliseconds.

Together the two components allow system integrators to build HD videoconferencing systems with 200 milliseconds delay or less for well under \$100,000. Comparable systems sell for \$250,000.

Videoconferencing is a valuable tool for broadcasters, filmmakers, and production companies, enabling them to send dailies from locations to the studio and have live "face-to-face" conversations. It is useful for "visual collaboration" -- viewing and discussing design sketches, auditions, location shots, props, special effects, etc.

However, the resolution of videoconferencing is often low, and the audio is delayed by several seconds, giving the effect of a badly dubbed movie. This delay, or "latency", makes communication slow and awkward. Unique to the entertainment industry is that footage is transmitted in videoconferences so a group can assess its quality. When the video compression is poor, the footage looks poor.

HD delivers sharp, high resolution video that is ideal for film footage and detailed images. And the wider aspect ratio of HD (16:9 versus television's 4:3) displays more of a meeting room.

"We are excited to be showing our high value HD videoconferencing building blocks for the first time," said Laszlo Zoltan, Sales Manager for DVEO. "We use a low latency HD encoder and HD decoder to achieve a very low latency of less than 200 milliseconds. Plus, we offer the flexibility of compressing HD-SDI into DVB-ASI or UDP output on one system."

DVEO's La Jolla HD videoconferencing building blocks are available now.

## **Supplemental Information for Press Release**

### **HD Encoder Features:**

- MPEG-2 4:2:2 or 4:2:0 video compression: 15 to 100 Mbps
- HD-SDI input
- DVB-ASI output or IP output (RTP) in one system
- Low Latency
  - o Normal mode of 120 milliseconds
  - o Low-delay mode of 60 milliseconds
- Compatible with both PAL and NTSC
- MPEG-1 Layer-II audio encoding
- Accepts all three types of HD content -- 1080i, 1080p, and 720p
- Stereo audio bit rates to 384 Kbps
- Audio sampling rates: 32K, 44.1K, and 48K samp/sec
- LCD front panel control
- Fully compliant with the latest DVB standards

### **HD Decoder Features:**

- Maximum 75Mbps decoding rate
- DVB-ASI input
- HD-SDI output – 1080i, 1080p, 720p
- Low latency – 100 milliseconds
- MPEG-2 4:2:0 and 4:2:2 decoding
- Compact size

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### **Suggested Retail Prices:**

La Jolla HD Videoconferencing Building Blocks:

Encoder – \$25,000 U.S.

Decoder – \$7,000 U.S.

### **About CMI and DVEO**

CMI, founded in 1982, 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/>.

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