

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

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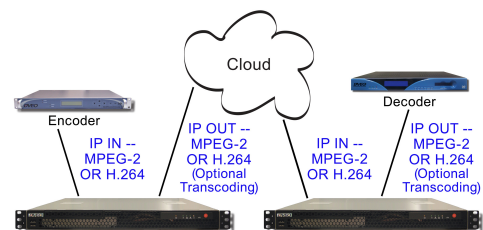
IBC Stand 2.A34

At IBC 2013, DVEO to Demonstrate "DOZER" IP Video Traffic Shaping Technology for Optimal Video Over Public Internet

DOZERbox IP IP™ System and Media Dozer: LIC™ Application Offer Reliable and Timely Delivery of UDP Video Traffic Over Poor or Average Quality Internet Connections

San Diego, California -- DVEO, the broadcast division of Computer Modules, Inc. (CMI), will demonstrate their IP video traffic shaping technology at the International Broadcasting Convention (IBC) in Amsterdam, September 13-17, at Stand 2.A34. The technology is available in a system as the DOZERbox IP IP™, and as a software license -- the Media Dozer: LIC™.

In most regions of the world, public internet infrastructure is not reliable and drops video packets. Public routers do not prioritize video traffic well enough. The DOZERbox and Media Dozer: LIC route video through the public internet in a unique way. They "bulldoze" through slow and congested routers and allow IPTV operators



**IP Video Traffic Shaping Technology
for Reliable and Timely Delivery of
Video Over Public Internet –
DOZERbox IP IP™**

and Over The Top video providers to improve their video distribution -- by enabling smooth low delay, high definition, and adaptive video streaming.

The DOZERbox and Media Dozer: LIC offer dependable distribution of MPEG-2 or H.264 SPTS or MPTS transport streams over average quality internet backbones. Typically sold in pairs, the DOZERbox gateways are more cost effective than private point to point internet connections and stream through most firewalls. The Media Dozer: LIC application software is available as an add-on for DVEO's encoder and gateway appliances, including the Proxicaster™, MultiStreamer™, MPEG Gearbox™, MultiStreamer Brutus™, MPEG Magnus™, and D-Streamer™ product lines. It is also available as a license for customers' own devices.

"This technology is ideal for CDNs, broadcasters, mobile operators, and telcos who deploy critical UDP streams across the public internet with the goal to be competitive," stated Laszlo Zoltan, Sales Manager for DVEO. "Customers in the USA use Dozer technology to import video content from Greece, Iraq, Colombia, and Bangladesh – with no packet loss or video freezes, and lower latency."

When Media Dozer: LIC is added to DVEO systems such as the MultiStreamer™ encoder or MPEG Magnus™ transcoder, the original content can be encoded or transcoded and converted to different IP protocols such as RTMP, RTSP, HLS, etc., before it is processed by the Media Dozer: LIC application.

When video will be transmitted and received from the same location, two separate systems are recommended for transmitting and receiving, for optimum video streaming.

Supplemental Information for Press Release

Features:

- Supports both HD and SD H.264/MPEG-4 AVC or MPEG-2 encoded streams
- Supports unusual video routing protocols
- Inputs/Outputs: Gig/E
- Guaranteed packet delivery with UDP protocol with 20% packet drop
- Supports IP UDP unicast and multicast, in or out
- Uses proprietary and sophisticated data and streaming management algorithms in order to optimize traffic that traverses across managed switches and routers

- Transparently transmits Multicast or Unicast UDP/RTP transport streams (MPEG-2 TS) from one network to another across any internet connection
- Supports any MPTS or SPTS stream with any compliant codec inside (H.264, MPEG-2, AAC, etc.)
- Will not alter the internal structure of the transport stream (PAT, PMT, etc.)
- IP address and Port can be remapped to different ones if necessary in the remote network
- Proprietary protocol is resistant to packet loss and corrects for internet jitter and packet reordering
- Private Line between devices supports AES-128 encryption and compression
- Configurable destination port on listener for firewall traversal
- Can be configured for point-to-point or point-to-multipoint functionality
- Supports dual destination in primary/backup configuration for redundant setups
- Each device can be configured as a sender, a receiver, or both
- One sender can connect to up to 4 receiver devices
- Each device can have up to 8 separate receiver profiles, each capable of receiving up to 250 simultaneous clients (senders)
- Each connected client (sender) is authenticated with a user name and password for additional security
- SNMP, REST, SOAP support
- Certified with numbers generated with WAN Emulator Appliance testing
- Coming soon: "MICRO" DOZERbox based on Intel® NUC

Suggested Retail Prices:

Media Dozer: LIC: \$1,000 to \$1,500 U.S. each

DOZERbox IP IP: \$2,500 U.S.

DVEO, D-Streamer, DOZERbox IP IP, Media Dozer, MPEG Gearbox, MPEG Magnus, MultiStreamer, MultiStreamer Brutus, and Proxicaster are trademarks of Computer Modules, Inc. All other trademarks and registered trademarks are the properties of their respective owners.

About CMI and DVEO

CMI, founded in 1982, is a privately held company headquartered in San Diego, California. DVEO, the 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@dveo.com. To download DVEO's press releases and product images, visit the news section at www.dveo.com.

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