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Immediate Release

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DVEO to Launch New Version of Popular OnRamp S-S2/IP™ -- Multichannel, SD or HD, MPEG-2 or H.264, Satellite to IP Gateway

New System Now Features HTTP Live Adaptive Bitrate Streaming

San Diego, California -- DVEO, the broadcast division of San Diego based Computer Modules, Inc. (CMI), is introducing an updated version of their professional DVB-S or DVB-S2 to IP multi-channel gateway. DVEO will feature the new OnRamp S-S2/IP™ at the International Broadcasting Convention (IBC) in Amsterdam, September 10-14, at Stand 2.A48.

Designed for use in cable broadcasting, telco TV, IPTV, and A/V systems integration, the OnRamp S-S2/IP™ inputs a mixture of one to four satellite channels and outputs them to a dedicated IP network. The video streams generated can be viewed on television sets with standard IP capable set-top boxes, or on computers using streaming video software clients such as VLC or MPlayer.



OnRamp S-S2/IP Satellite to IP Gateway

The Linux®-based system supports MPEG-2 and H.264 input and output in SD and HD format. Customers can also order the system with the option to transcode MPEG-2 streams into H.264/MPEG-4, up to a maximum combined bitrate of 12 Mbps.

“The latest version of OnRamp S-S2/IP includes IP output with real-time live adaptive bitrate streaming, which sends multiple streams so receivers can adapt to the stream that best fits their bandwidth,” noted Laszlo Zoltan, Sales Manager for DVEO. “This delivers smoother online video that starts faster. With adaptive bitrate streaming, customers can send video streams to mobile phones and hand-held devices such as the iPhone and iPad. Another important new feature is near real time FTP output of segmented transport streams.”

The unit provides PID filtering of all unwanted traffic, increasing system performance and the number of channels which can be transmitted per unit. It features remote configuration management via a web browser and Secure Shell (SSH).

The system is available in a two-rack unit with one to four DVB-S/S2 receivers, or in a compact rack-mountable single channel unit. The option to transcode from MPEG-2 to H.264 can be included with the system, or added later as an upgrade.

Other multichannel IP gateways from DVEO include: OnRamp Analog/IP™, OnRamp ASI/IP™, OnRamp 8VSB/IP™, OnRamp DVB-C/IP™, OnRamp DVB-T/IP™, and OnRamp QAM/IP™.

Supplemental Information for Press Release

Features

- Multiplexes transport streams into IP packets
- Simultaneously receives up to four transport streams
- Supports MPEG-2 and H.264 input and output, in SD and HD format
- Supports HTTP live adaptive streaming protocol for output to mobile devices
- Capable of near real time FTP output of segmented TS streams with I-Frame boundaries
- Input: DVB-S or S2
- Supports DISEqC
- IP Output – UDP, RTP, HTTP, HTTP Live, FTP
- PID filtering

- 200 Mbps IP raw output capability
- Optional 12 Mbps IP transcoded H.264 output capability
- Transmits PAT, PMT, and PCR information
- Receives and transmits at the same time
- Remote configuration management via Web Browser and Secure Shell (SSH)
- De-encapsulates data streams
- Supports NTSC or PAL
- Based on embedded Linux®

Note: OnRamp IP gateways are typically deployed in "closed" systems where bandwidth is dedicated and is used for this purpose only. They are not designed to work over the public internet.

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Suggested Retail Prices:

Four Channel OnRamp S-S2/IP -- \$4,395 U.S.

One Channel OnRamp S-S2/IP -- \$4,195 U.S.

Option for Transcoding from MPEG-2 to H.264 -- \$3,495 U.S.

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 <http://www.dveo.com/>.

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