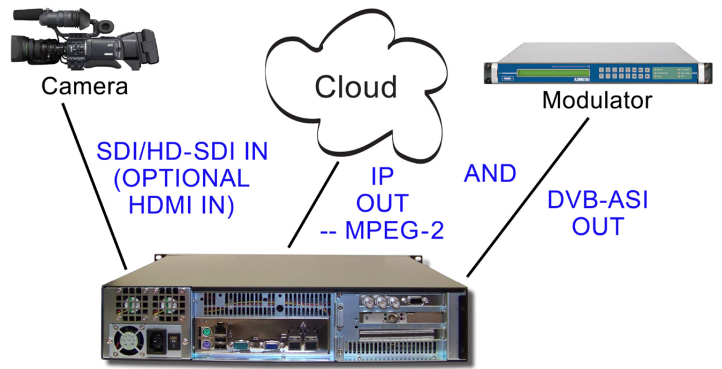


MPEG Legend SDI/IP+ASI™

Real Time, 2 RU, Quick Starting, Embedded Linux® Based, Remotely Manageable, SD or HD MPEG-2 Encoder with Multiprotocol IP Output and Auto Detection, Plus Simultaneous DVB-ASI Output. Features Real Time Encoding and Forwarding of Content from Field Cameras or Video Servers Equipped with SDI or HD-SDI Ports, via Public or Private Internet. Supports IP Unicast or Multicast Streams. Destination can be Inexpensive Set-Top Boxes! Audio Support is AAC or Embedded Pass-through.



Features

- Supports both HD and SD MPEG-2 encoding, with auto detection and “virtual” stream replication
- Inputs: One SDI or HD-SDI input
- Optional HDMI input instead of SDI/HD-SDI input
- Outputs:
 - IP stream via GigE port (RJ45)
 - DVB-ASI
 - SDI or HD-SDI video loop through
- Supports 1080i, 1080p, 720i, 720p, and 480i
- Supports HDTV input formats SMPTE-274M/ SMPTE-296M-2001, ITU-R BT.656
- Built-in SSL VPN client for secure transport of streams across the internet or for traversing complicated networks. The tunnel is based on OpenVPN and it works for both multicast and unicast traffic.
- Audio Input: SDI Embedded, AC3 Embedded, or AES/EBU
- Audio Output: AAC or Embedded pass-through
- Tested compatible with major brands of MPEG-2 decoders
- Configure and operate via Remote GUI
- Can be used to store or time-delay incoming stream with optional storage add-on

Applications

- Affordable MPEG-2 content delivery for STL, etc.
- Uploading News or Quick Clips to central collection servers

Overview

MPEG-2 is the well behaved traditional encoding methodology for North American and DVB-T broadcasting and cable.

The **MPEG Legend SDI/IP+ASI™** is a highly affordable 4 core based multi channel SDI/HD-SDI to IP gateway for capturing SD or HD content via SDI or HD-SDI and encoding and streaming this content to remote video servers or professional IRD's. It also encodes SDI/HD-SDI content to DVB-ASI for transmission over satellite uplinks or cable.

The MPEG Legend SDI/IP+ASI is designed to be an easy to use, affordable platform to ingest video from cameras, editing systems, or video servers and encode the SDI or HD-SDI to the MPEG-2 standard and provide for choices for protocols, wrappers, and containers. This is easy to do since we are using Linux® and it is relatively used to support multiple wrappers, etc.

This unit is designed to be affordable, scalable, and extendable. We offer local store and forward as an option. Modifications to video formats are easily created. Remote management and multi level security is built in.



Computer Modules, Inc.

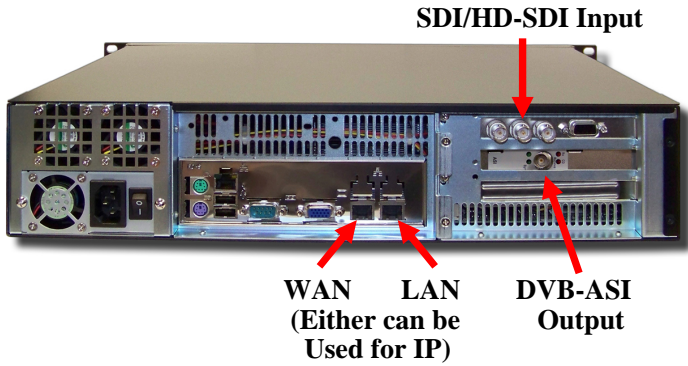
11409 West Bernardo Court

San Diego, CA 92127

Tel: 858-613-1818 Fax: 858-613-1815

www.dveo.com

Inputs/Outputs



Sample of GUIs



SDI/HD-SDI Input Setup



IP Output Setup

Ordering Information

- MPEG Legend SDI/IP+ASI in 2 RU system
- MPEG Legend HDMI/IP+ASI – HDMI In, 2 RU system
- MPEG Legend SDI/IP+ASI/SF (Store and Forward) in 3 RU system – with real time store and forward (time delay) option

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Specifications

Supported Resolutions – Input and Output

1920 x 1080	720 x 480	480 x 480
1280 x 720	704 x 480	480 x 320
720 x 576	640 x 480	320 x 240

Note: Supports closed captions.

Inputs

Video	SDI or HD-SDI with Genlock, HDMI Optional
Audio	SDI Embedded, AC3 Embedded, or AES/EBU

SDI or HD-SDI Output

Video Output:	SDI or HD-SDI loop through for input monitoring, Optional HDMI loopthrough
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IP Output

Output:	One HD stream at 6 Mbps and 3 SD streams at 2 Mbps with 4 Core i3
Audio Output:	AAC, Embedded pass-through, Ogg Vorbis, optional MP3, or optional “SurCode for Dolby Digital” AC-3
Type:	IP-multicast, IP-unicast, IGMP
MPEG-2 bit rates:	.1 to 15 Mbps

DVB-ASI Output

Output:	DVB-ASI, 200 Mbps per port
Audio Output:	MPEG-1 Layer II, AAC, Embedded pass-through

Administration

Access:	Web interface, ssh interface
SNMP:	Monitoring and alerts

CPU and Operating System

CPU:	Intel 4 Core
OS:	DVEO embedded Linux® in Flash™

Physical & Power

Size:	19” Rack mounted, 2 RU high, 13.6 inches deep
Voltage:	90 ~ 264Vac/ 47 ~ 63Hz, 350 Watts
Temperature:	0°C to 50°C (32°F to 122°F)
Humidity:	5% to 95% non-condensing
Conformities:	UL, CSA, CE, RoHS
Weight:	25 lbs. (11.34 kg)


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