

15ch ASI-IP-ASI Converter

Bidirectional ASI to IP Gateway and IP to ASI Converter for forwarding bidirectional SPTS or MPTS Transport streams over high speed IP backbones. Converts up to 15 MPTS ASI transport streams to IP transport stream outputs. Also converts IP streams to up to 15 MPTS ASI transport streams. Supports unicast and multicast.



Front



Rear



Features

- ASI to IP and IP to ASI converter
- Converts up to 15 HD and/or SD MPEG-2 transport streams from DVB-ASI to IP in real time
- Receives HD and SD MPEG-2 or H.264/MPEG-4 AVC transport streams over Ethernet-based Internet Protocol (IP) networks and converts them to DVB-ASI
- 920 Mbps input and 920 Mbps output for each TS/IP SFP port, IGMP v2/v3
- Supports IPTV mode and converts MPTS from any inputs to SPTS
- Up to 256 MPTS/SPTS TS/IP inputs and 512 MPTS/SPTS TS/IP outputs
- Supports TS/IP in backup, includes channel to channel and port to port modes
- 16 TS processors on the main board support PSI/SI edition and regeneration, PID remapping and filtering
- Removable cooling fan assembly with alarm and speed control
- Dual hot-swappable power supply modules
- Control and monitoring via web browser, front panel, or SNMP

Applications

- Studio to Transmitter Links
- ENG (Electronic News Gathering) – Stream content to and from remote locations
- ASI input to Cable System
- Distance education/Corporate training
- Converting ASI out from encoders to IP, or vice versa

Overview

DVB-ASI and IP are both physical interconnect technologies widely used to interconnect devices such as receivers, encoders, and multiplexers. ASI is an older interconnection scheme gradually being displaced by IP. It is important to have handy inexpensive appliances that convert between the two technologies. Such devices are also useful to deliver transport streams between two devices over LANs and WANs.

The 15ch ASI-IP-ASI Converter accepts up to 15 DVB-ASI inputs and converts them to IP transport streams. It also receives IP transport streams and converts them to up to 15 DVB-ASI transport streams. The system has three slots. Each slot can have a DVB-ASI input/output module with 5 bidirectional DVB-ASI ports.

In summary, the 15ch ASI-IP-ASI Converter is a perfect way to re-use older IRDs and/or deliver transport streams across IP networks. The system works across LANs and WANs. It will connect to multicast networks via IGMP.

To manage packet loss, our 15ch ASI-IP-ASI Converter incorporates Pro-MPEG FEC. This well known technology is able to correct 2-3% packet loss. This on board FEC has been tested to work in many third party appliances.



Computer Modules, Inc.

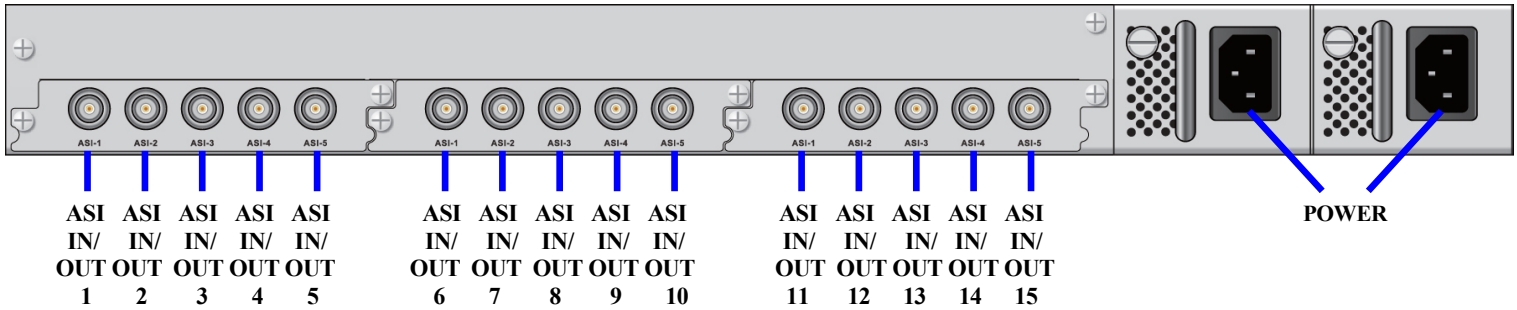
11409 West Bernardo Court

San Diego, CA 92127

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

www.dveo.com

Rear View



Specifications

DVB-ASI Input

Standard:	DVB-ASI, EN50083-9
Input Interface:	Up to 5 DVB-ASI inputs per module Up to 3 modules, for a total of 15 DVB-ASI inputs
Connector Type:	BNC, 75Ω
Maximum bit rate (each ASI):	213 Mbps
Packet Format:	188 /204 byte packets, without RS code
T2-MI:	Supports T2-MI (In the T2-MI mode, ASI-5 is configured to input which can process 4 PLP ID, ASI-1 to ASI-4 are configured to output which can select PLP ID TS to output via Web)

DVB-ASI Output

Output Interface:	Up to 5 DVB-ASI outputs per module Up to 3 modules, for a total of 15 DVB-ASI outputs
Connector Type:	BNC, 75Ω
Maximum bit rate (each ASI):	213 Mbps
Packet Format:	188 /204 byte packets, without RS code

IP Input/ Output

IP Ports:	Two each
Location:	Front panel
Protocols:	UDP, RTP
Typical Content:	Transport stream over IP

Control & Monitoring

Connector Type:	RJ-45, 10/100 Base-T, for configuration and control
Local Control:	LCD display and 6-key keypad
LCD:	2 x 10 characters LCD display
LED:	11 LED indicators

Physical and Power

Power Supply:	AC 90~260V, 50Hz/60Hz
Power Consumption:	25W (MAX)
Dimensions:	1.7 x 19 x 10 inches (44 x 483 x 255mm)
Weight:	6.62 lbs (3.0 Kg) Net, 8.16 (3.7 Kg) Gross
Operating Temperature:	32 to 113°F (0 to 45°C)
Storage Temperature:	14 to 140 °F (-10 to 60°C)
Operating Humidity:	10 ~ 90%, non-condensed
Conformities:	FCC, CE, LVDS, RoHS

Block Diagram – Coming Soon

Ordering Info

ASI 15ch to IP to ASI 15ch