

A-Coder™ Analog/10ch/ASI+MPEG-2 IP

Broadcast Quality, Full Featured, Magnum Chip Based, Remotely Manageable, 1 RU, 4 to 10 Channel Standard Definition MPEG-2 Encoder and Multiplexer with up to 10 CVBS Inputs and Simultaneous ASI and IP Outputs. Audio Support Includes Analog In, MPEG-1 Layer II or MPEG-2 AAC Out. Features Dual Power Supply and Advanced Video Filtering, plus Jitter-Free, Industry Compliant Transport Streams. Tested to Work with Most Decoders and with Atlas™, Wowza™ and Adobe® Flash® Servers. Ships with your Choice of 4, 6, 8, or 10 Channels.



Features

- Encodes Analog (CVBS) video to ASI and/or MPEG-2 IP
- Inputs: Composite video – 4, 6, 8, or 10 inputs, depending on system ordered
- Outputs: Simultaneously multiplexes transport streams into
 - Two identical ASI outputs (one main, one backup)
 - One muxed IP output (UDP/ RTP)
- Supports IP unicast and multicast
- ASI output bit rate: Up to 70 Mbps
- Resolutions: 720x480/60i, 720x576/50i
- Supports VBR or CBR – Unusual Feature
- Audio Input: Analog
- Audio Output: MPEG-1 Layer II and MPEG-2 AAC
- Configure and operate via front panel controls or remote management
- Magnum chip based – results in incredible quality

Applications

- Re-encoding analog video for transmission over satellite uplinks or cable (ASI)
- Encoding analog video for transmission over IP
- Delivery of live video program streams to the head-end or production studio
- Analog front end for video servers

Overview

Analog video sources are still plentiful in today's world. The A-Coder™ Analog/10ch/ASI+MPEG-2 IP is DVEO's standard definition MPEG-2 encoder. It also multiplexes 4, 6, 8, or 10 composite inputs into simultaneous IP and dual DVB-ASI outputs – or encodes up to 10 inputs to up to 10 individual IP streams.

The A-Coder Analog/10ch/ASI+MPEG-2 IP delivers MPEG-2 video at low bit rates of .8 to 20 Mbps.

The system includes LCD front panel controls and remote management software. Audio output is MPEG-1 Layer II and MPEG-2 AAC.

The A-Coder Analog/10ch/ASI+MPEG-2 IP is Magnum chip based. Due to their long experience, Magnum Semiconductor created one of the world's best quality encoder chips. One look and you will be impressed.

Sample GUI



Parameters Configuration

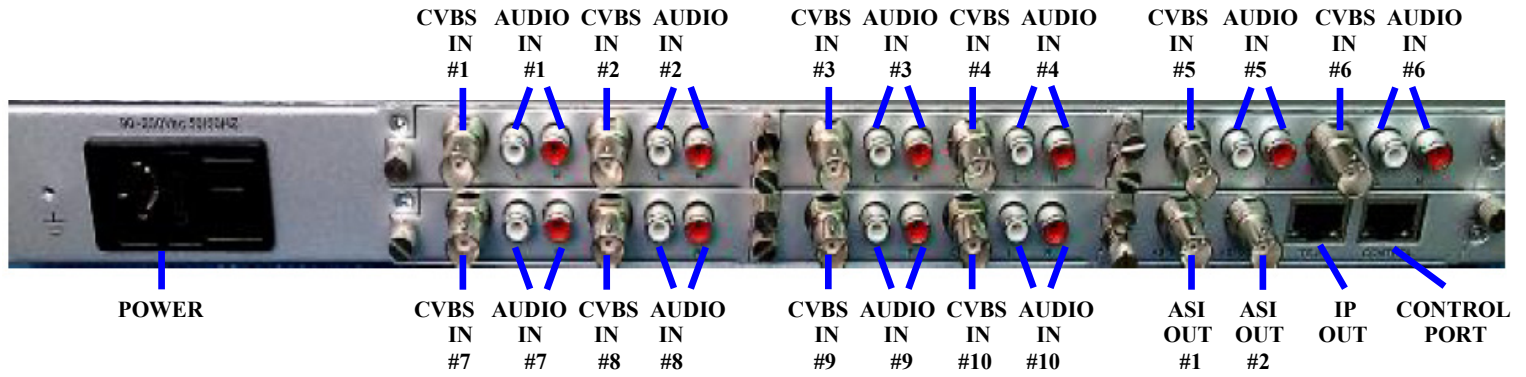


Computer Modules, Inc.
11409 West Bernardo Court
San Diego, CA 92127

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

www.dveo.com

Rear View



Specifications

Video Inputs

Analog:	Composite (CVBS) – 4, 6, 8, or 10 inputs, depending on system ordered
Connectors:	BNC type, 75 Ohm
Formats:	NTSC or PAL

Audio Input

Analog:	Un-balanced Analog, RCA type, Hi-impedance – 4, 6, 8, or 10 inputs, depending on system ordered
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Video Encoding

Standards:	MPEG-2 encoding, standard definition
Mode:	MPEG-2 MP@ML
Resolutions:	720x480/60i, 720x576/50i
A/D Precision:	10 bits
Average Bit Rate:	800 to 20000 Kbps
Max/Min Bit Rate (VBR only):	Maximum: 1500 to 22000 Kbps Minimum: 600 to 18000 Kbps
Rate Control Modes:	CBR, VBR
GOP Modes:	Automatic, IBBP, IPPP or IBP

Audio Encoding

Formats:	MPEG-1 Layer II and MPEG-2 AAC
Sampling Rate:	48 KHz
Audio Bit Rates:	MPEG-2 AAC: 64/ 128/ 192/ 256/ 320/ 384 Kbps MPEG-1 Layer II: 192/ 256/ 320/ 384 Kbps
Audio Gain:	-12, -6, 0, +6 dB, +12 dB

Re-multiplexing

Re-multiplexing:	Up to 10 internal encoded SPTS inputs
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ASI Outputs

Dual ASI outputs:	1 main port, 1 back-up port
Connectors:	BNC type, 75 Ohm
Packet Length:	188/204
ASI output bit rate	1-70 Mbps

IP Outputs

Output:	TS over IP
Connector:	RJ-45
Interface Type:	100/100 Base-T
Format:	UDP/IP, RTP/IP
IP Address Format:	Multicast, Unicast
Supports both of the two IP modes:	IPD: Up to 10 IP output ports, where Port 1-10 corresponds to encoder 1-10 IPM: One multiplexed IP output
TS Bit Rate:	1-70 Mbps (ASI and IP ports will have same bit rate)

Control & Monitoring

Front Panel Controls:	2x20 LCD display, Control keys Configuration and Alarm messages
Remote:	Remote control via 10/100M Ethernet Web-based management software controls the unit and detects alarms remotely

Physical & Power

Power Supply:	90-230VAC, 50/60 Hz, dual power in one socket
Power:	<45W
Dimensions – 1 RU 19 inch rack:	19" (W) x 13" (D) x 1.7" (H) 48.3 cm (W) x 35.5 cm (D) x 4.3 cm (H)
Weight:	13.23 lbs (about 6 Kg)
Operating Temp.:	+0 ~ +50°C (32 to 122°F)
Storage Temp.:	--20 ~ +50°C (-4 to 122°F)
Conformities:	FCC, CE, RoHS

Ordering Info

A-Coder Analog MPEG-2/X: X = Number of Analog inputs in pairs.