



CLEARVIEW HD2X QAM IP

2 CHANNEL ABR VIDEO ENCODER

MPEG-DASH / HLS

QAM & IP / SRT STREAMING

PRELIMINARY
SUBJECT TO CHANGE



KEY FEATURES

LOCAL CONTENT ADVANCED ABR ENCODER

- » Adaptive Bit-Rate Encoding with MPEG-DASH
- » HEVC, H.264 and MPEG-2 in CBR, ABR, SPTS or MPTS
- » QAM Modulator with PSI Creation for Digital TV Display
- » 2 IP / SRT or Unicast/Multicast SPTS IP Outputs
- » Remote Setup, Management & Monitoring Capability
- » Appliance-based 24 x 7 x 365 High Reliability Design

INPUT FORMATS

- » File Streaming
- » Composite
- » 3G/HD-SDI
- » Closed Caption
- » HDMI 2.0b
- » Transcode / Transrate from IP Sources
- » Component

PRODUCT OVERVIEW

Clearview HD2X QAM IP advanced ABR DASH or HLS video encoder accepts 2 programs from any two sources, including 2 files for streaming, or via HDMI 2.0b, 3G/HD-SDI, Component, or Composite input connectors as well as IP Sources. QAM output channel supports multiplexing and PSIP creation for direct digital TV discovery, including digital signage applications.

The **Clearview HD2X QAM IP** can also output 2 SRT or as Unicast/ Multicast MPEG SPTS format. IP Output support via SFP Fiber adapter or RJ45 Ethernet with separate RJ45 for control port. Convenient IP Reset switch on front panel for admin support. A 4K input option is also available.

ORDERING INFORMATION



MODEL	STOCK#	DESCRIPTION
Clearview HD2X QAM IP	6573	2 Channel ABR Encoder with IP/SRT IPTV & QAM Output
Clearview HD2X QAM IP 4K Input	6573 4K	2 Channel ABR Encoder with IP/SRT IPTV & QAM Output with 4K Input

CLEARVIEW HD2X QAM IP

SPECIFICATIONS



INPUT

Connectors	2x HDMI, v2.0b, "Type A" 2x Composite & Component 2x SD/HD/3G SDI 1x RJ45 Gigabit Ethernet Input 1x SFP Module Port, Fiber Optic
Control	1x Front Panel RJ45
Closed Caption	2x RCA (CC Ports, Rear Panel)

VIDEO

Video Resolution	480i (59.94, 60 FPS) 480p (29.97, 30, 59.94, 60 FPS) 720p (29.97, 30, 60 FPS) 1080i (59.94, 60 FPS) 1080p (29.97, 30, 59.94, 60 FPS)
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AUDIO

Audio Format	L-PCM (IEC-60958) at up to 192 kHz, Dolby® AC3, AAC, MP3
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GENERAL

Dimensions (W x H x D)	19.0 x 1.75 x 8.5 in (483 x 45 x 216 mm)
Power	110/230VAC, 0.35/0.175A, 60/50 Hz
Power Consumption	35 W
Shipping Weight	9.5 lbs (4.31 kg)
Operating Temp.	32 to 122 °F (0 to 50 °C)
Storage Temp.	-13 to 158 °F (-25 to 70 °C)
Operating Humidity	0 to 95% RH @ 35 °C max, non-condensing

ALARMS & MONITORING

Local Monitoring	1x Power and Status LED (bicolor) 2x Fan Control Status LED (bicolor) 2x Encoder Status LED (bicolor) 1x QAM Status LED (bicolor)
Local Control	1x IP Reset Button
Remote Monitoring	Built-in Web Server Remote browser access with status

OUTPUT

Connectors	1x "F" Connector, Full Agile QAM 1x "F" Connector, -20 dB Test Point 1x RJ45 Gigabit Ethernet Output 1x SFP Module Port, Fiber Optic
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RF QAM MODULATION

Standards	ITU-T J.83; Annex B
Frequency Range	54 to 1002 MHz
Power	+45 dBmV
Channel Bandwidth	6 MHz
Return Loss	≥ 14 dB
Level Adjust. Range	15 dB
Level Accuracy	±1 dB
QAM MER	>40 dB
Impedance	75 Ω
Phase Noise	-95 dBc @ 10 kHz offset

SRT STREAM PROTOCOLS

Specifications	www.SRTalliance.org
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SPTS STREAM PROTOCOLS

Standard	ISO/IEC 13818-1 Systems
Standard	ABR MPEG-DASH or HLS
Profiles	Single
Encoding Type	CBR or Capped VBR
Streams Supported	2
Video Bitrate	2 Mbps to 19 Mbps (0.1 Mbps increments)
IP Protocols	UDP, RTP, SRT, MPEG-DASH, HLS

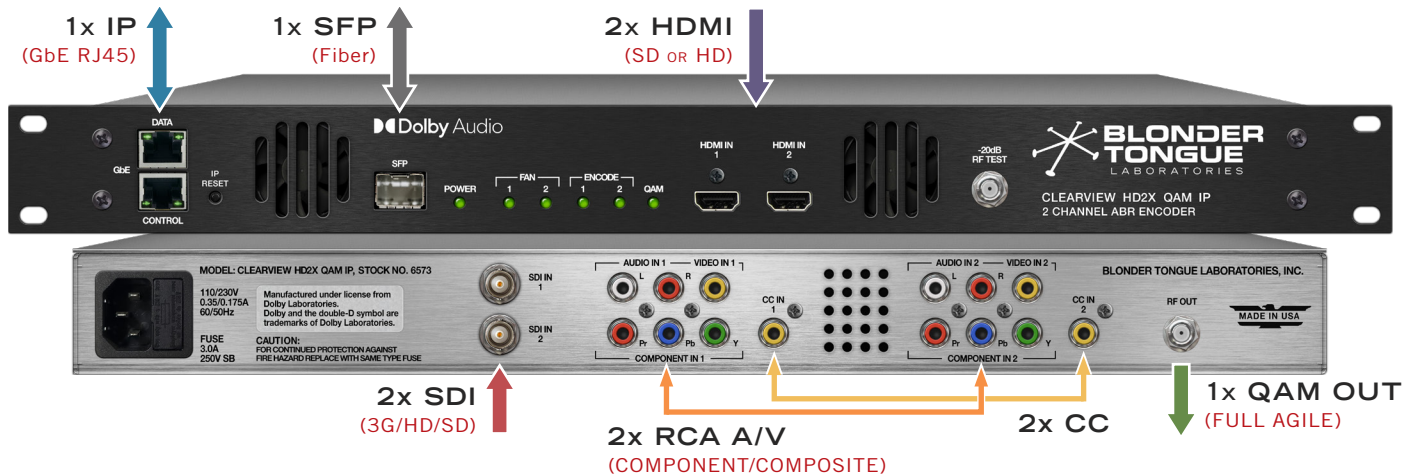
ENCODED VIDEO AND AUDIO

Video Resolution	1080p (30 FPS); 1080i (60 FPS); 720p (30, 60 FPS); 480i (30, 60 FPS)
Video Format	MPEG-2; H.264 (AVC); H.265 (HEVC)
Audio Format	Dolby® AC3, AAC, MP3

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I/O OVERVIEW



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