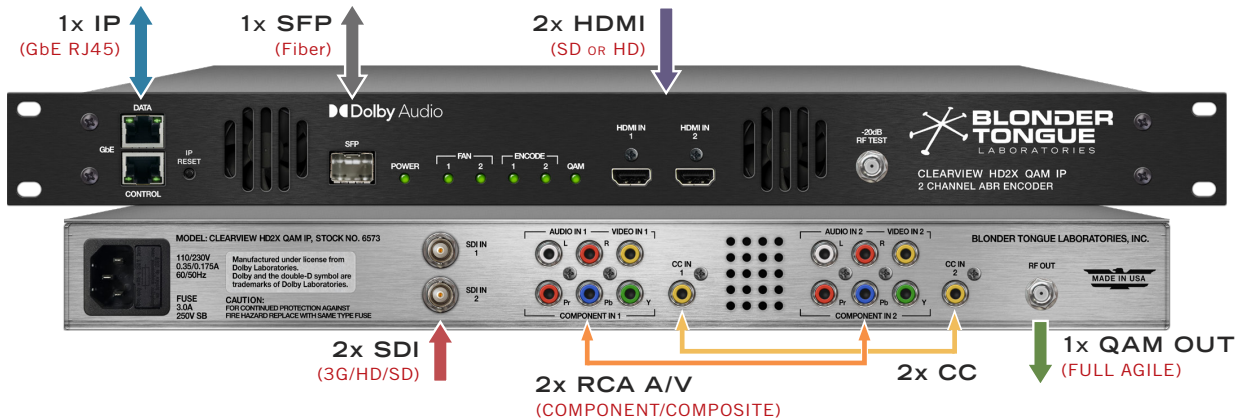


CLEARVIEW HD2X QAM IP 2 Channel ABR Video Encoder



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 |

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

| 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 |
| 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 |

| 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 |