

Clearview HDMI2 QAM IP 2 Channel HDMI to QAM/IP Encoder

Features

- » HDMI 2.0b Ingest of Local Content
- » NTSC Closed Caption input
- » QAM Modulates (2) HDMI 2.0b streams to (1) Edge QAM channel
- » Video encoding MPEG-2, H.264, or HEVC + Dolby® Digital AC3, AAC
- » 2 SRT or Unicast/Multicast SPTS outputs



Product Overview

The **Clearview HDMI2 QAM IP** encoder accepts up to 2 HD or SD programs from two rear panel HDMI input connectors. The unit multiplexes and modulates both HDMI programs to one QAM output channel including PSIP for direct digital TV display including digital signage applications. The Clearview HDMI2-QAM IP can also output 2 SRT or Unicast/Multicast SPTS. Additionally, there are 2 Composite inputs provided for NTSC Closed caption input.

The **Clearview HDMI2 QAM IP** can encode to MPEG-2, H.264/MPEG-4 (AVC), or H.265 (HEVC) in all major resolutions from 480i through 1080p60.

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Input

Connector	2x HDMI version 2.0b
Control	1x Front Panel RJ45
Closed Caption	1x Composite
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	
Formats	L-PCM (IEC-60958) at up to 192 kHz

General

Dimensions (W x H x D)	19.0 x 8.5 x 1.75 in (486 x 216 x 45 mm)
Power Supply	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

Front Panel Indicator	1x Power and Status LED (Bicolor) 2x Fan Control Status LED (Bicolor) 2x Encoder Status LED (Bicolor) 1x QAM Status LED (Bicolor)
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
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
TS Packet Length	188 bytes
Sync Byte	0x47
Encoding Type	CBR/Capped VBR
TS Supported	2
Video Bit Rates	2-19 Mbps (0.1 Mbps increments)
Encoded Video and Audio	
Video Resolution	1080p (30 / 60 FPS) , 1080i (60 FPS) 720p (30 / 60 FPS), 480i (30 / 60 FPS)
Video Formats	MPEG-2, H.264 (AVC); H.265 (HEVC)
Audio Formats	Dolby® AC3, AAC, MP3