H-12HDMI-QAM-IPLL

12 HDMI input to CATV RF QAM Output and IPTV output CATV RF MODULATOR - HDMI Multiplexer

12 HDMI Channels to CATV RF Coax Digital Modulator QAM, 8-VSB, DVB-T, ISDB-T, format up to 1080p60 low latency with IPTV Streamer and ASI Out. The new high capacity H-12HDMI-QAM-IPLL Encoder Modulator from Thor Broadcast has a new sophisticated redesigned platform for enabling modulation of up to 12 HDMI sources and 12 CVBS CC(Closed Caption) sources simultaneously. This unit has the ability to ingest IP Transport Streams and multiplex them among the RF output channels, similarly you can also input a single 8-VSB (or other RF modulation standard) and add its transport streams among the QAM output. This unit comes standard with a plethora of options to help you add extra transport streams from various media to build your own RF headend quickly and easily without extra hardware.

The H-12HDMI-QAM-IPLL supports MPEG2 and MPEG-4 AVC/H.264 video encoding and MPEG1 Layer II audio encoding (MPEG-2 AAC, MPEG-4 AAC Optional), Dolby Digital AC3, as well as AC3 pass through.

Features

- 12 HDMI inputs with 12 CC inputs via CVBS
- (Data 1 port) over UDP and RTP
- MPEG1 Layer II; Dolby AC3, AC3 pass through; MPEG-2 AAC, MPEG-4 AAC
- HD (1080i/720p) to SD (576p/480p) downscale conversion
- 1MPTS and 24 SPTS IP (DATA1 and DATA2 port) output over UDP, RTP/RTSP
- ASI output mirrors one of the RF carriers
- PID remapping/ accurate PCR adjusting/PSI/SI editing and inserting
- Control via web management NMS
- 16 Groups Multiplexing/Scrambling/QAM ANNEX A and B Modulating (based on RF)
- 8 Groups Multiplexing/ DVB-T/8-VSB Modulating (based on RF)
- 6 Groups Multiplexing / ISDB-T Modulating (based on RF)
- Up to 16 MPTS IP (Data2 Port Only) output over UDP, RTP/RTSP (# of MPTS is based on RF standard of device) (16MPTS for QAM; 8MPTS for DVB-T/8-VSB; and 6MPTS for ISDB-T)
- Low Latency available 70-120ms
- Dolby AC3 or MPEG1/2 Audio Encoding
- MPEG2 or MPEG4 H.264 Video Encoding
- Firmware for 8-VSB, DVB-T, DVB-S2 Available
- VCT (Virtual Channel Table) support for QAM and 8-VSB
- LCN (Logical Channel Number) support
- 5 Years warranty

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Specifications

Input	12 HDMI inputs 12 CC (Closed Caption, EIA608/EIA708) input, BNC interface	
Video	Resolution	1920×1080_60P,1920×1080_50P,1920×1080_60i, 1920×1080_50i,1280×720_60P,1280×720_50P, 720×576_50i, 720×480_60i
	Resolution Downscale	1080i/720p to 576p/480p
	Encoding	
		MPEG2 & MPEG4 AVC/H.264
	Bit-rate	0.8~19Mbps each channel
	Rate Control	CBR/VBR
Audio	Encoding	MPEG1 Layer II, AC3 pass through (MPEG-2 AAC, MPEG-4 AAC Optional)
	Sampling rate	48KHz
	Audio Gain	0-400% adjustable
	Bit-rate	64~320Kbps each channel (each channel)
Multiplexing	Maximum PID Remapping	180 input per channel
	Function	PID remapping (automatically or manually)
		Accurate PCR adjusting
		Generate PSI/ SI table automatically
Stream output	1 MPTS and 24 SPTS IP output over UDP and RTP/RTSP, 2*1000M Base-T Ethernet interface, Data 1 and Data 2 1 ASI output mirrors the MPTS output	
System function	Network management (WEB)	
	Ethernet software upgrade	
Miscellaneous	Dimension (W×L×H)	19"×17.3"×1.7mm 1RU Rackmount Chassis
	Approx weight	8kg - 16lb
	Environment	0~45°C (Operational); -20~80°C (Storage)
	Power requirements	AC 110V± 10%, 50/60Hz, AC 220 ± 10%, 50/60Hz