Product Information Datasheet

H-2ADHD-QAM-IP-LL

2 CH HDTV Modulator System

HDMI & Component to TV Chs

-CATV QAM or ATSC RF Output (Selectable)
-IPTV Output
-ASI IN/OUT
-Low Latency 200ms
-MPEG2 / H.264 Video Encoding
-Dolby AC3 or MPEG1/2 Audio Encoding
-CC (Closed Captioning)
-NMS Ethernet control or LCD panel

Convert 2 HD or SD Inputs to Digital HDTV Channels

Dual encoder and ASI input modulator with closed captioning support.

The Thor H-2ADHD-QAM-IP-LL system is a compact dual channel encoder and HDTV modulator designed to be installed in 14 inch AV rack enclosures. This compact unit is also suitable for direct wall mounting. This platform supports all functions normally found on the larger 19 inch rack systems; such as HDMI with HDCP support, closed captioning, Dolby AC/3 passthrough, and IPTV output. For convenience all functions can be set through a keypad and LCD screen. However the ideal method for changing configuration settings is through any standard web browser via a dedicated web server. The modulator can be ordered for all world standards, including ATSC, DVB-C, or DVB-T formats. In addition to HDTV RF output, broadcast type ASI and industry standard IPTV output are also provided.

Product Specifications and Information Table

Encoding Parameters		Output Parameters	
Inputs	HD: HDMI & YPbPr SD: Analog Composite	DVB-ASI	Input: BNC 1-120 Mbps Output: BNC 1-60 Mbps
Supported Resolutions	720 x 480 60/59.94/50 1280 x 720 60/59.94/50 1920 x 1080 60/59.94/50	IPTV Output	MPEG-TS MPTS Over UDP Unicast and Multicast Output
Video Codecs	MPEG2 HD 1.5 - 19.5 Mbps H.264 HD 0.8 - 19.5 Mbps	RF Connector	Type-F Coax 75Ω
Audio Codecs	MPEG1 Layer2 MPEG2 AAC MPEG4 AAC (AC/3 Pass)	Control & Settings	Front Panel LCD & Keypad Web Browser based NMS
Audio Sample Rate	48 KHz	**Physical Parameters**	
Audio Bit Rates	64, 96, 128, 192, 256 Kbps	Power supply	AC 110 - 240 VAC
Modulation Parameters		Unit Size	13 x 9 x 1.75 in
Modulation Standards	ATSC, DVB-C, DVB-T ATSC or QAM selectable on the unit	Power consumption	25W±10% (varies by temp)
RF Frequency Range	30 - 960 MHz 1KHz Step	**Environmental**	
RF Power Level	5 - 35 dBmV	Working temperature	-30 ~ 60℃