Convert Any Input Type to MPEG-2 or H.264 Streams

Supports closed captions 608 on CVBS and 708 on HD-SDI signals.

Mix and Match Any Video With Any Audio Type

The Thor H-MPEG2-H264-E broadcast encoding system is designed to meet the needs for professional broadcasting systems. The system features support for almost all types of video and audio inputs; including HDMI (with HDCP), HD-SDI, Component, and Composite. Audio support options include analog unbalanced, digital XLR, and embedded on SDI or HDMI. The platform features an ASI multiplexer for combining the output with externally encoded programs. Output is provided on dual ASI output ports, as well as dual Gigabit Ethernet ports for IP streaming. Other features useful for broadcasters include support for 608 and 708 closed captioning systems. 608 support is provided on the CVBS input on standard line 21 input. 708 is supported on the ancillary field of the HD-SDI input.

Product Specifications and Information Table

Encoding Parameters		Output Parameters	
Inputs	HD: HDMI, HD-SDI, 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	IPTV Interface	2x Gigabit Ethernet
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
Closed Caption Parameters		Unit Size	19 x 12 x 1.75 in
Systems Supported	EIA-608, CEA-708	Power consumption	25W±10% (varies by temp)
EIA-608 Input	CVBS Line 21	Environmental	
CEA-708	SDI Ancillary Field	Working temperature	-30 ~ 60℃