

# H-HDPerformux-4/8/16/24

**4 / 8 / 16 / 24 HDMI IPTV Streaming H.264 Encoder  
UDP, RTP/RTSP - SPTS & MPTS Multicast & Unicast**



**Thor Broadcast** High Density H.264 Encoder **H-HDPerformux-XX**, specifically designed and made to handle up to 24 HDMI inputs and output via 1MPTS or 24SPTS. This unit has a full functioning GUI (Graphical User Interface) that Thor has designed to help navigate creating all of your H.264 Streams with MPEG 1 Layer 2 Audio or AC3 Audio Passthrough. Additionally you have a single ASI output that will mirror the MPTS output. Specifically featuring the QR code, Logo, and OSD insertion for cable operators that require this feature. Furthermore it has PID remapping, PCR and PSDI adjusting and editing as well. This 1RU unit can replace an entire headend with the high density 24 HDMI input chassis with easy operation and Thor Broadcast's leading warranty and free tech support from our lab in Los Angeles.

## Features

- 4 / 8 / 16 / 24 HDMI inputs
- MPEG-4 AVC/H.264 Video encoding
- 1 Gigabit Output for UDP and RTP/RTSP protocols
- 1-20Mbps output data per IP Stream
- MPEG1 Layer II Audio encoding and support audio gain adjustment
- MPEG-1 Layer 2, LC-AAC, HE-AAC, AC3 Passthrough audio encoding
- Control via web management, and easy updates via RJ45
- 1ASI output, copy of MPTS output
- CBR / VBR
- QR Code, Logo, OSD insertion
- Null Packet Filter
- PID Remapping (180 inputs per channel)
- PCR Adjusting
- PSI/SI Editing and Insertion
- Exceptional Price Per Channel

<b>Input</b>	4/8/16/24 HDMI inputs		
<b>Video</b>	Resolution	Input	1920x1080_60P, 1920x1080_60i, 1920x1080_50P, 1920x1080_50i, 1280x720_60P, 1280x720_50P
		Output	1920x1080_30P, 1920x1080_25P, 1280x720_30P, 1280x720_25P
	Encoding	MPEG-4 AVC/H.264	
	Bit-rate	0.5Mbps~20Mbps each channel	
	Rate Control	CBR/VBR	
	GOP Structure	25-50	
<b>Audio</b>	Encoding	MPEG-1 Layer 2, LC-AAC, HE-AAC, AC3 Passthrough	
	Sampling rate	32, 44.1, 48KHz	
	Resolution	24-bit	
	Audio Gain	0-255 Adjustable	
	Bit-rate	48/56/64/80/96/112/128/160/192/224/256/320/384Kbps	
<b>Multiplexing</b>	Maximum PID	180 output PIDs per channel	
	Remapping		
	Function	PID remapping (automatically or manually) Accurate PCR adjusting	
<b>Stream output</b>	ASI output(optional) as copy of MPTS IP output thru Data1 (GE) or Data2 (FE) over UDP and RTP protocol (8 HDMI inputs with 8 SPTS and 1MPTS output; 16/24 HDMI inputs with 16/24 SPTS or 1MPTS output)		
<b>System function</b>	Network management (WEB)		
	English		
	Ethernet software upgrade		
<b>Miscellaneous</b>	Dimension (WxLxH)	482mmx440mmx44mm (1RU)	
	Approx weight	8kg	
	Environment	0~45C(operating) -20~80C Storage	
	Power requirements	AC 110V± 10%, 50/60Hz, AC 220 ± 10%, 50/60Hz	