



High-density HDMI IPTV encoder family with H.264/H.265, SPTS/MPTS, UDP, RTP/RTSP, multicast, and unicast output.



Front panel - original uploaded H-HDPerformux-24 product image

## Model Number

H-HDPerformux-4 / 8 / 16 / 24

**Manufacturer:** Thor Broadcast

**Primary Purpose:** The Thor Broadcast H-HDPerformux family is a high-density HDMI to IPTV encoder platform for converting 4, 8, 16, or 24 HDMI sources into H.264 or H.265 transport streams. It outputs individual SPTS streams or a combined MPTS over Gigabit Ethernet using UDP or RTP/RTSP, with web management, ASI input/output, PID remapping, PCR adjustment, and PSI/SI editing.

## Key Specifications

Spec Category	Extracted Value
Model Family	H-HDPerformux-4 / 8 / 16 / 24
Inputs	4, 8, 16, or 24 HDMI inputs depending on model
Video Encoding	MPEG-4 AVC/H.264 or H.265/HEVC selectable
Input Resolution	1920x1080 60p/60i/50p/50i and 1280x720 60p/50p
Output Resolution	1920x1080 30p/25p and 1280x720 30p/25p
Video Bitrate	0.5 to 20 Mbps per channel; CBR or VBR
Audio Encoding	MPEG-1 Layer II, LC-AAC, HE-AAC, AC3 passthrough
Audio Parameters	32/44.1/48 kHz; 24-bit; adjustable gain 0-255
IP Output	1 Gigabit Ethernet; UDP and RTP/RTSP; multicast or unicast
Stream Modes	Up to 24 SPTS outputs or 1 MPTS output, model dependent
ASI	1 ASI output mirroring MPTS; 1 ASI input for daisy chaining/contribution
Multiplexing	PID remapping, PCR adjustment, PSI/SI editing and insertion, null packet filtering
Management	Web-based NMS through RJ45; Ethernet software upgrade
Mechanical / Power	1RU 19 in. rackmount; 100-240 VAC, 50/60 Hz
Environment	Operating 0 to 45C; storage -20 to 80C

## Core Features

- High Density: Encode up to 24 HDMI sources in one 1RU chassis.
- H.264 / H.265: Selectable AVC or HEVC compression for efficient bandwidth use.
- SPTS / MPTS: Output independent program streams or one multiplexed transport stream.
- Multicast / Unicast: Supports one-to-many and point-to-point IPTV delivery.
- Professional Multiplexing: PID remapping, PCR correction, PSI/SI editing, and null filtering.
- ASI Integration: ASI input supports contribution/daisy chaining; ASI output mirrors MPTS.
- Branding Tools: QR code, logo, and OSD insertion for channel identification.
- Web Management: Configure encoding, streaming, and multiplexing through the browser NMS.

## Product Images



Rear panel - original uploaded H-HDPerformux-24 product image

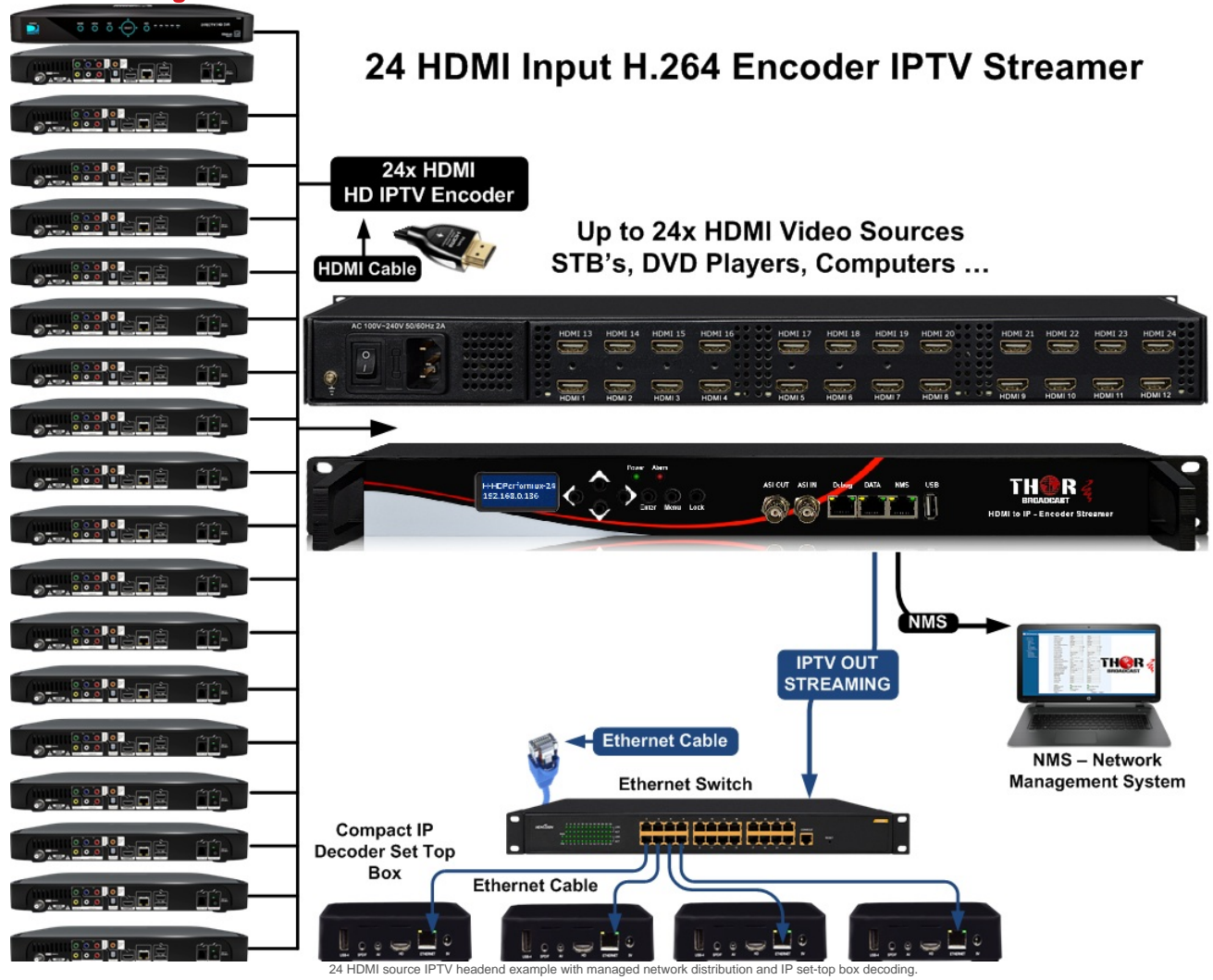
## Target Applications

- Hotels and hospitality IPTV
- Sports venues and arenas
- Schools and universities
- Houses of worship
- Government and military facilities
- Digital signage networks
- Corporate video distribution
- Private IPTV headends

## Additional Product Information

Item	Extracted Value
Warranty	2 year warranty
Typical Sources	Satellite receivers, cable STBs, media players, computers, cameras, signage players
Typical Decoding	IP set-top boxes, compatible IPTV decoders, VLC/PC software, or integrated IPTV displays
Network Note	Use a managed Gigabit Ethernet switch; enable IGMP snooping for multicast deployments
Unit Size	Approx. 19 x 13 x 2 in (483 x 331 x 51 mm), model dependent

## Application Drawing



## Model Selection

Model	Description	Channel Capacity
H-HDPerformux-4	HDMI to IP H.264/H.265 encoder streamer	4 HDMI inputs
H-HDPerformux-8	HDMI to IP H.264/H.265 encoder streamer	8 HDMI inputs
H-HDPerformux-16	HDMI to IP H.264/H.265 encoder streamer	16 HDMI inputs
H-HDPerformux-24	HDMI to IP H.264/H.265 encoder streamer	24 HDMI inputs

## Technical Notes

- All specifications are subject to change without notice.
- Available stream count and aggregate network bandwidth depend on selected model, encoding bitrate, and network design.
- For multicast IPTV, use managed switches with IGMP snooping enabled and adequate Gigabit uplink capacity.
- The NMS and Data interfaces should be configured on appropriate network subnets according to the installation plan.
- The included QR code links directly to the product page for the latest product information.