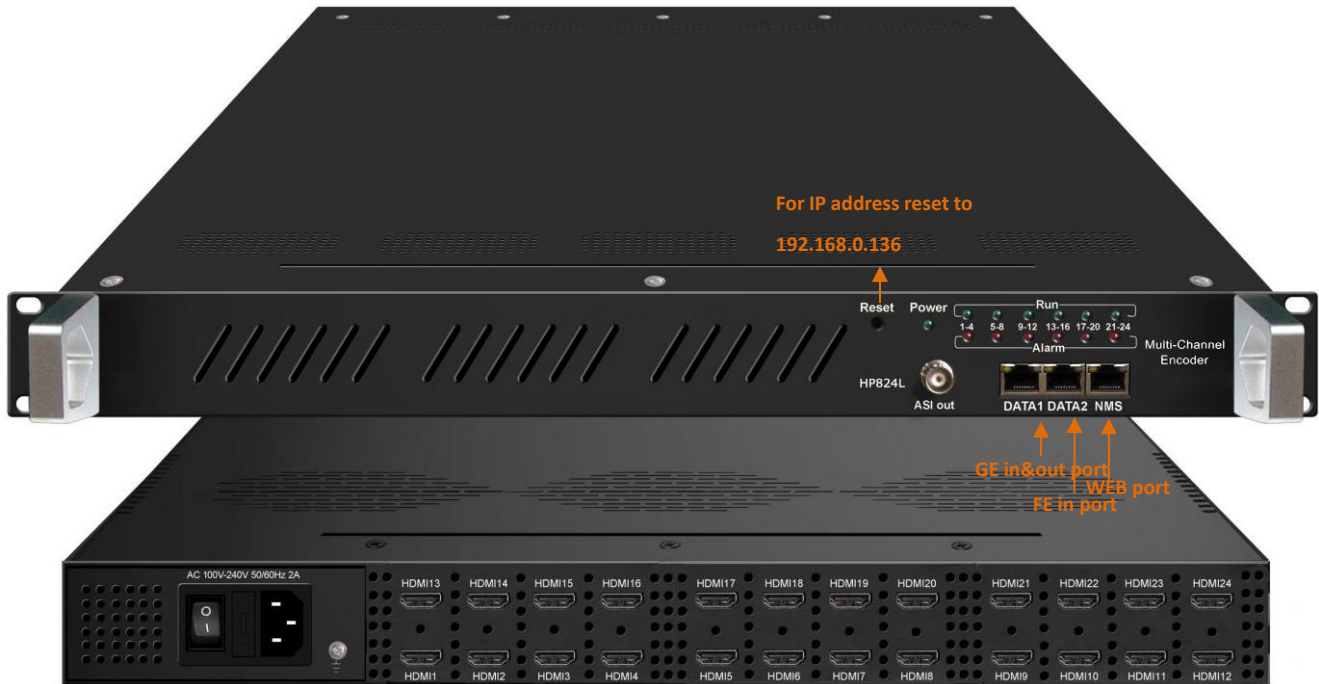


HP824L MPEG4 AVC/H.264 HD IP Encoder





Product Overview

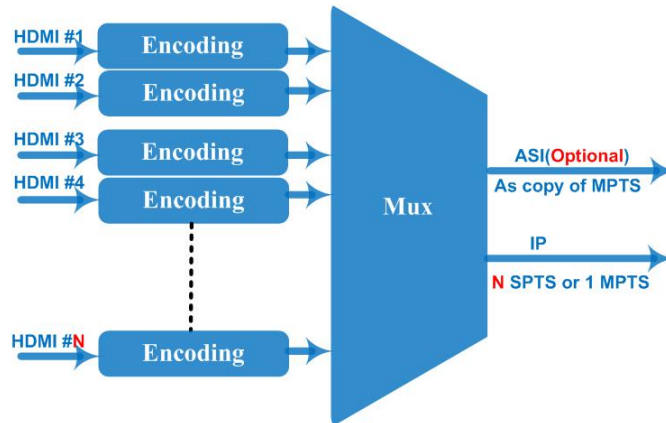
HP824L MPEG4 AVC/H.264 HD IP Encoder is a professional HD audio & video encoding and multiplexing device. It has 12 HDMI (8/16/20/24 HDMI optional) video input interfaces, supporting MPEG-4 video encoding and MPEG 1 Layer 2 audio encoding. This device can simultaneously encode 12 (8/16/20/24 HDMI optional) channel HD audio & video; moreover, it has an IP output port can support 1MPTS and 12SPTS (8/16/20/24 SPTS) IP out. In conclusion, its high integrated and cost effective design makes the device widely used in varieties of digital distribution systems such as cable TV digital head-end, satellite digital TV broadcasting etc.

Key features

- 8× HDMI video inputs with 8 SPTS and 1 MPTS output through Data 1 or Data 2
- 12 × HDMI video inputs with 12 SPTS and 1 MPTS output through Data 1 or Data 2
- 16 × HDMI video inputs with 16 SPTS or 1 MPTS output through Data 1 or Data 2
- 20 × HDMI video inputs with 20 SPTS or 1 MPTS output through Data 1 or Data 2
- 24×HDMI video inputs with 24 SPTS or 1 MPTS output through Data 1 or Data 2
- Support MPEG4 AVC/H.264 video encoding format
- MPEG1 Layer II audio encoding format, support audio gain adjustment
- Support 1 ASI output (optional) as copy of MPTS
- Support IP output over UDP and RTP
- **Support QR code, LOGO, OSD insertion**
- support “Null PKT Filter” function
- Support PID Remapping

- Support PCR accurate adjusting
- Support PSI/SI editing and inserting
- Control via web management, and easy updates via web
- Lowest cost per channel, breakthrough price

Principle Chart



Input	12 HDMI inputs (8/16/20/24 input optional)		
Video	Resolution	input	1920×1080_60P, 1920×1080_60i, 1920×1080_50P, 1920×1080_50i, 1280×720_60P, 1280×720_50P, 720×576_50i, 720×480_60i,
		output	1920×1080_30P, 1920×1080_25P, 1280×720_30P, 1280×720_25P, 720×576_25P, 720×480_30P,
	Encoding	MPEG-4 AVC/H.264	
	Bit-rate	1Mbps~13Mbps each channel	
	Rate Control	CBR/VBR	
	GOP Structure	IP...P (P Frame adjustment, without B Frame)	
	Audio	Encoding	MPEG-1 Layer 2
Sampling rate		48KHz	
Resolution		24-bit	
Audio Gain		0-255 Adjustable	
Bit-rate		64kbps, 128Kbps, 192kbps, 224kbps, 256kbps, 320kbps, 384kbps	
Multiplexing	Maximum PID Remapping	180 input per channel	
	Function	PID remapping (automatically or manually)	
		Accurate PCR adjusting	
		Generate PSI/ SI table automatically	

Stream output	12 SPTS (8/16/20/24 SPTS) IP or 1MPTS output over UDP/RTP, 1*1000 Base-T Ethernet interface ASI output(optional) as copy of MPTS	
System function	Network management(WEB)	
	Chinese and English language	
	Ethernet software upgrade	
Miscellaneous	Dimension(W×L×H)	482mm×410mm×44mm
	Approx weight	8kg
	Environment	0~45℃(work); -20~80℃ (Storage)
	Power requirements	AC 110V± 10%, 50/60Hz, AC 220 ± 10%, 50/60Hz
	Power consumption	70W

Technical specification

Technical Comparison

	HP808D/HP824H (HDMI)	HP824L
Chipset	Fujitsu	Hisilicon
Video Channel	8/12/16/20/24×HDMI optional	4/8/12/16/20/24×HDMI optional
Video Bit Rate	0.8Mbps~19Mbps each channel (Bit rate is with a low fluctuation, suitable for cable system and satellite uplink)	1Mbps~13Mbps each channel (Bit rate is with a high fluctuation, suitable for cable system, not suitable for satellite uplink)
GOP	IBBP	GOP Size=25 (without B Frame)
Resolution	Up to 1080p-60	Up to 1080P-30 (1080i/p-60/50 to 1080p-30/25 auto downscale conversion)
Audio Encode	MPEG-1 Layer II; HE-AAC V2, LC- AAC Optional; AC3 passthrough	MPEG-1 Layer II
Audio Gain	0-400 Adjustable	0-255 Adjustable
ASI In & Mux	Yes	N/A
ASI output	Yes	Option as required
IP output	SPTS and 1MPTS	SPTS and 1MPTS (for 4/8/12 channel) SPTS or 1MPTS (for 16/20/24 channel)

Order Information

	HP824L-8	HP824L-12	HP824L-16	HP824L-20	HP824L-24
8 HDMI Input with 8 SPTS out	●				
12 HDMI Input with 12 SPTS out		●			
16 HDMI Input with 16 SPTS out			●		
20 HDMI Input with 20 SPTS out				●	
24 HDMI Input with 24 SPTS out					●