

HP824UX 24 in 1 HD H.265/H.264 Encoder



Product Overview

HP824UX is a professional high integration device which includes encoding, multiplexing. It supports 4/8/12/16/20/24 HDMI input, HEVC/H.265 & MPEG-4 AVC/H.264 encoding, 2 ASI input, IP input, ASI output, IP stream output (SPTS/MPTS, multicast/unicast).

In conclusion, its high integrated and cost effective design makes the device widely used in varieties of digital distribution systems such as IPTV live streaming multicast, cable TV digital head-end, digital TV broadcasting etc.

Key Features

- Support QR code, LOGO, OSD insertion for every local channel
- 4/8/12/16/20/24 HDMI input, support HDCP
- Support HEVC/H.265, MPEG-4 AVC/H.264 Video encoding
- Support MPEG1 Layer2, LC-AAC, HE-AAC v1&v2, AC3 audio

encoding

- 4/8/12/16/20/24 SPTS and 4 MPTS output, IP output over UDP and RTP protocol, support multicast and unicast
- 2 ASI inputs
- 2 ASI Independent output (optional) as copy of 4MPTS
- Support “Null PKT Filter” function
- Support PID Remapping/ PCR accurate adjusting
- LCD、 key function
- Control via web management, and easy updates via web

Specification

Input	4/8/12/16/20/24 HDMI (support HDCP)	
	2 ASI input	
	IP input over UDP/RTP protocol, 1000M	
Output	2 ASI output	
	IP output: 4/8/12/16/20/24 SPTS and 4 MPTS output, IP output over UDP and RTP protocol, support multicast and unicast	
Video	Encoding	HEVC/H.265, MPEG-4 AVC/H.264
	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_60P, 1920×1080_50P, 1280×720_60P, 1280×720_50P, 720×576_50P, 720×480_60P 1920×1080_30P, 1920×1080_25P, 1280×720_30P, 1280×720_25P, 720×576_25P, 720×480_30P
	Bit-rate	1Mbps~15Mbps (each channel)
	Rate Control	CBR
Audio	Encoding	MPEG-1 Layer 2, LC-AAC, HE-AAC v1&v2, AC3
	Sampling rate	48Khz

	Bit-rate	64kbps,128Kbps,192kbps,224kbps,256kbps,320kbps,384kbps
	Resolution	24-bit
	Audio Gain	0-255 Adjustable
Multiplexing	Maximum PID Remapping	180 output PIDS per channel
	Function	PID remapping (automatically or manually)
		Accurate PCR adjusting
System function	Network management(WEB)	
	Chinese and English language	
	Ethernet software upgrade	
Miscellaneous	Dimension (W×L×H)	482mm×410mm×44mm
	weight	8kg
	Environment	0~45°C(work); -20~80°C(storage)
	Power requirements	AC100~240V, 50/60Hz