



HP824VX

Encoder



Product Overview

HP824VX Encoder is Catcast's professional high integration device which includes encoding and multiplexing. It supports 6 module, each module load 4 HDMI encoding board, so 4/8/12/16/20/24 HDMI input (optional), MPEG-4 AVC/H.264 encoding for HDMI input, 2 ASI input/output, and 3*GE data port for IP input or output, 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, IPTV live streaming multicast, digital TV broadcasting etc.

Key Features

- Max. support 6 independent modules, each module load 4 HDMI encoding

board, 4/8/12/16/20/24 HDMI input (optional)

- Support QR code, LOGO, OSD insertion for every local channel
- MPEG4 AVC/H.264 encoding for HDMI input
- Support MPEG-1 Layer2, LC-AAC, HE-AAC v1&v2 audio encoding
- 1000M IP (SPTS/MPTS) input for remux, UDP protocol

2 ASI input for remux

- 1000M IP (SPTS/MPTS) output, UDP/RTP/RTSP protocol, unicast/multicast
- 2 ASI independent output as copy of 4 MPTS
- Support “Null PKT Filter” function
- Support PID Remapping/ PCR accurate adjusting, PID pass
- LCD、key function, Web-NMS management
- Single or Dual power supply (optional)

Technical Specification

Input	4/8/12/16/20/24 HDMI, support HDCP	
	IP input over UDP,1000M	
	2 ASI input	
Output	2 ASI output	
	IP output (SPTS and MPTS),1000M	
	UDP/RTP/RTSP protocol Support unicast and multicast	
Video	Encoding	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, 720x576_25P,720x480_30P

	Bit-rate	1Mbps~13Mbps (each channel)
	Rate Control	CBR
Audio	Encoding	MPEG-1 Layer 2, LC-AAC, HE-AAC v1&v2
	Sampling rate	44.1KHz and 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-NMS)	
	Chinese and English language	
	Ethernet software upgrade	
Miscellaneous	Dimension (W×L×H)	482mm×480mm×45mm
	Weight	10 kg
	Environment	0~45℃(work); -20~80℃(storage)
	Power requirements	AC100~240V, 50/60Hz