CatCast

HP824LX-N | Multi-channel HD Encoder

Product Overview

HP824LX-N is a professional high integration device which includes encoding, multiplexing. It supports 4/8/12/16/20/24 HDMI input,MPEG-4 AVC/H.264 encoding, 2 ASI input, IP input, ASI output, IP stream output (SRT/HLS/HTTP/RTMP/UDP/RTP/RTSP).

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 MPEG-4 AVC/H.264 Video encoding

● Support MPEG1 Layer2, LC-AAC, HE-AAC v1&v2 Audio encoding

● 4/8/12/16/20/24 SPTS and 4 MPTS output, IP output over SRT/HLS/HTTP/RTMP/UDP/RTP/RTSP 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 input optional	
	2 ASI input	
	IP inputs (DATA1:RTMP/HTTP/RTSP/HLS/SRT input; DATA3 : UDP/RTP input)	
Output	2 ASI output	
	IP output: 4/8/12/16/20/24 SPTS and 4 MPTS output, IP output over UDP and SRT/HLS/HTTP/RTMP/UDP/RTP/RTSP protocol, support multicast (for UDP only) and unicast	
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)	
	Chinese and English language	
	Ethernet software upgrade	
Miscellaneous	Dimension (W×L×H)	482mm×420mm×45mm
	Approx weight	9 kg
	Environment	0~45°C(work)；-20~80°C(storage)
	Power requirements	AC100~240V，50/60Hz