



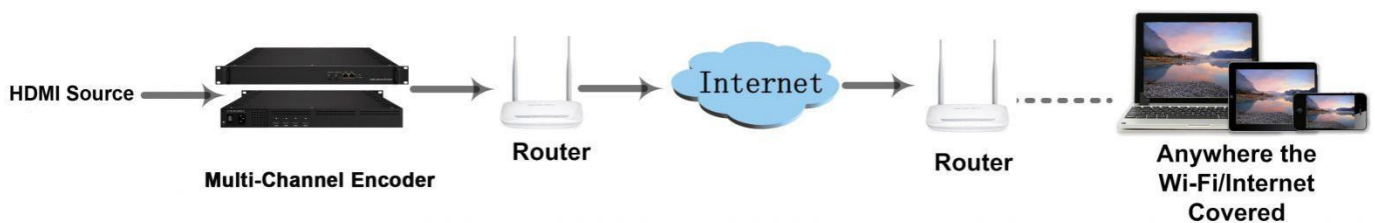
HP8228S-N

Multi-Channel Encoder



Support IP out over UDP(SPTS) SRT/RTP/RTSP/RTMP/HTTP/HLS

Multiple HDMI inputs



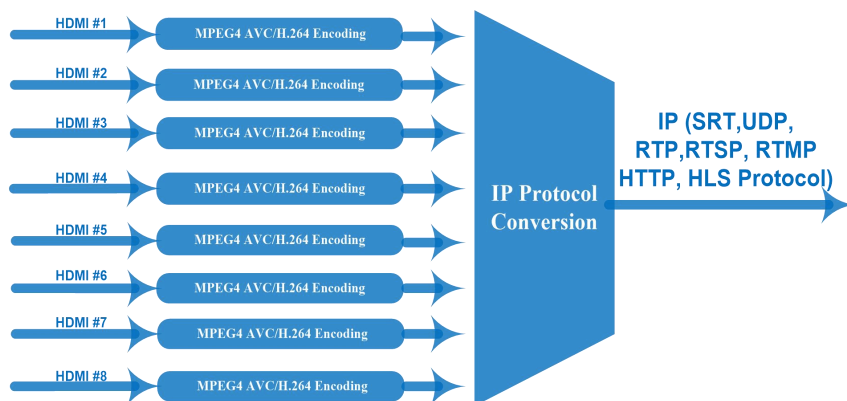
Product Overview

Catcast HP8228S-N network encoder is an encoding device for IP broadcasting. It is equipped with 8/16/24 HDMI channels input with MPEG-4 AVC/H.264 video encoding and LC-AAC or HE-AAC audio encoding. The signals source could be from STB, PC, TV and etc. It can transfer the live program through the internet/LAN, and gives IP out over UDP (Unicast/Multicast), SRT, RTSP, RTMP, HTTP and HLS, and the output signals are to be received by PC, phone and other mobile terminals. HP8228S-N lets you access your IP STB, PC or TV anywhere to watch your programs.

Key Features

- Support 8/16/24 HDMI inputs, with 8/16/24 SPTS output (each encoder module, only support STPS, NO MPTS), **max 24 HDMI inputs**
- MPEG4 AVC/H.264 video encoding format
- MPEG1 Layer II, LC-AAC, HE-AAC audio encoding format and AC3 Pass Through, and audio gain adjustment
- Support IP Output over UDP (Unicast/Multicast), SRT, RTSP, RTP, RTMP, HTTP and HLS
- Support QR code, LOGO, caption insertion (Language Supported: 中文, English, العربية, ไทย, , руская, اردو for more languages please consult us...)
- Support “Null PKT Filter” function
- Control via web management, and easy updates via web

Inner Principle Chart (Per Module)



Specifications

Input	8/16/24 HDMI inputs		
Video	Resolution	input	1920×1080_60P, 1920×1080_60i, 1920×1080_50P, 1920×1080_50i, 1280×720_60P, 1280×720_50P, 720 x 576_50i, 720 x 480_60i
		Output	1920×1080_30P, 1920×1080_25P, 1280×720_30P, 1280×720_25P, 720 x 576_25P, 720 x 480_30P
	Encoding	MPEG-4 AVC/H.264	
	Bit-rate	1~13Mbps each channel	
	Rate Control	CBR/VBR	
	GOP Structure	IP...P (P Frame adjustment, without B Frame)	
Audio	Encoding	MPEG-1 Layer 2, LC-AAC, HE-AAC and AC3 Pass through	

	Sampling rate	48KHz
	Resolution	24-bit
	Audio Gain	0-255 Adjustable
	MPEG-1 Layer 2 Bit-rate	48/56/64/80/96/112/128/160/192/224/256/320/384 kbps
	LC-AAC Bit-rate	48/56/64/80/96/112/128/160/192/224/256/320/384 kbps
	HE-AAC Bit-rate	48/56/64/80/96/112/128 kbps
Stream output	IP out over UDP (Unicast/Multicast),SRT, RTP,RTSP, RTMP, HTTP, HLS (RJ45, 1000M) (8 HDMI inputs with 8 SPTS for each encoder board)	
System function	Network management(WEB)	
	Chinese and English language	
	Ethernet software upgrade	
Miscellaneous	Dimension (W×L×H)	482mm×328mm×44mm
	Environment	0~45°C(work); -20~80°C (Storage)
	Power requirements	AC 110V± 10%, 50/60Hz, AC 220 ± 10%, 50/60Hz