

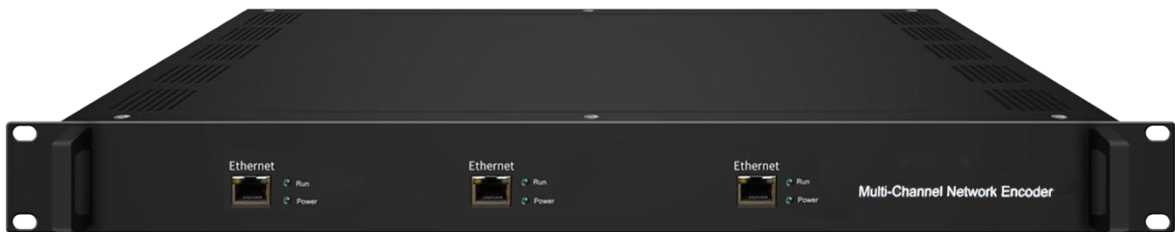


HPS8228M

Multi-Channel Network Encoder



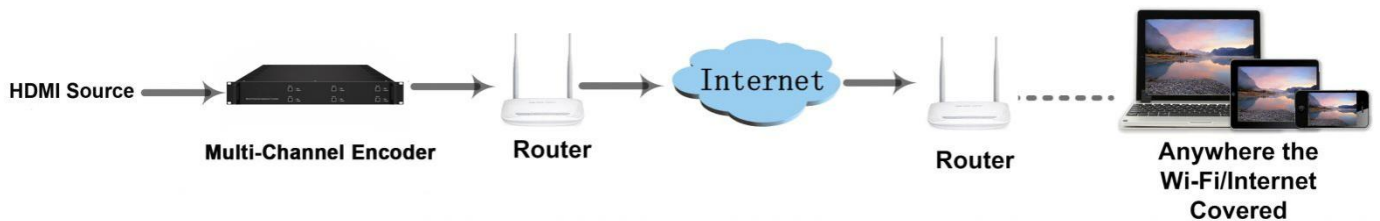
2-U



1-U



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



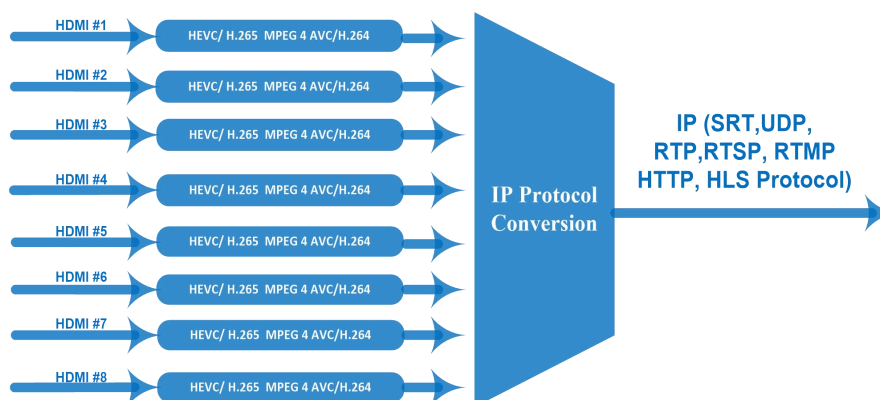
Product Overview

HPS8228M Multi-Channel Network Encoder is an encoding device for IP broadcasting. It is equipped with 8/16/24/32/40/48 HDMI-input channels with HEVC/H.265 and MPEG-4 AVC/H.264 video encoding and MPEG-1 Layer 2, LC-AAC, HE-AAC audio encoding and AC3 Pass through. It can transfer the live program through the internet/LAN and output IP streams over UDP (Unicast/Multicast), SRT, RTSP, RTMP, HTTP and HLS, and the output signals can be received by PC, phone and other mobile terminals. HPS8228M enables you to watch the programs via your IP STB, PC or TV anywhere.

Key Features

- Support 8/16/24/32/40/48 HDMI inputs, with 8/16/24/32/40/48 SPTS output (each encoder module with 8 HDMI inputs and 1 DATA port, only supporting SPTS without “Null Packets”, Not MPTS), max 48 HDMI inputs from 6 encoder modules
- HEVC/ H.265 , MPEG 4 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...)

Inner Principle Chart (Per 8-HDMI Module)



Specifications

Input	8/16/24/32/40/48 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	HEVC/H.265 HD/SD; MPEG-4 AVC/H.264 HD/SD	
	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	32KHz, 48KHz, 44.1KHz	
	Resolution	24-bit	
	Audio Gain	0-255 Adjustable	
	MPEG-1 Layer 2Bit-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×88mm or 482mm×328mm×44mm	
	Environment	0~45°C(work); -20~80°C (Storage)	
	Power requirements	AC 110V± 10%, 50/60Hz, AC 220 ± 10%, 50/60Hz	

Major spec comparison

	HPS8228S	HPS8228M v1	HPS8228M v2
HDMI Channel	8/16/24	2/4/8/16/24	8/16/24/32/40/48
Video Format	H.264	H.264/H.265	H.264/H.265
Resolution	HD/SD	HD	HD/SD
OSD	Yes	No	Yes
Chassis	1-U	1-U	1-U or 2-U