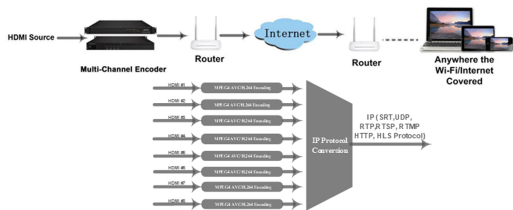## HOP28109- Multi Channel Encoder

Features:

- Support IP out over UDP (SPTS) SRT/RTP/RTSP/RTMP/HTTP/HLS Multiple HDMI inputs
- Support 8/16/24 HDMI inputs, with 8/16/24 SPTS output (each encoder module, only support STPS without "Null Packets", 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 Support)
  Control via web management, and easy updates via web

Product Specifications:

- ### Model : HOP28109

HOP28109 network encoder (Network Encoder Processor) 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.HOP28109 you access your IP STB, PC or TV anywhere to watch your programs.

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 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×44mm
	Environment		0~45℃(work)；-20~80℃（Storage）
	Power requirements		AC 110V± 10%, 50/60Hz, AC 220 ± 10%, 50/60Hz