Data Sheet

ES HDMI to IP

Multi-channels 4/8/12/16/20/24 HDMI Encoder to IP/ASI



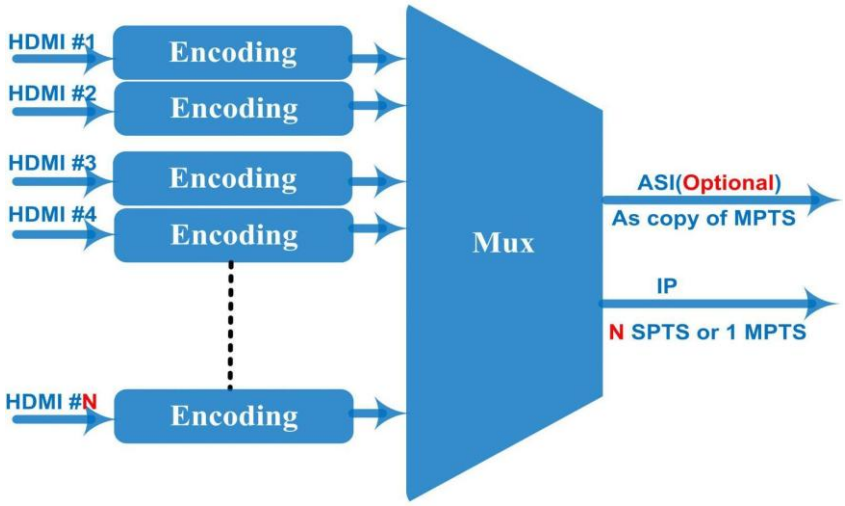
Outline

ES HDMI to IP is a professional high-integration device that includes encoding and multiplexing. It supports **4/8/12/16/20/24 HDMI input**, 1000M IP output (MPTS and SPTS output). 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, digital TV broadcasting etc.

Key Features

- Support LCD/keyboard operating and network management (SNMP) 4/8/12/16/20/24 HDMI input, MPEG-4 AVC/H.264 Video Encoding
- 4/8/12/16/20/24×HDMI inputs with 4/8/12/16/20/24 SPTS and 1 MPTS output, IP output over UDP and RTP protocol
- 2 ASI inputs
- 2 ASI Independent output (optional) as copy of 1MPTS
- Support “Null PKT Filter” function
- Support PID Remapping/ PCR accurate adjusting
- LCD key function
- Control via web management and easy updates via web

Principal Chart



Technical Specifications

Input	HDMI (4/8/12/16/20/24 HDMI)	
	2 ASI inputs	
Output	2 ASI output	
	IP output: 4/8/12/16/20/24 SPTS (one per HDMI input) and 1 MPTS, over UDP and RTP protocol	
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_30P,1920×1080_25P,1280×720_30P,1280×720_25P,720x576_25P,720x480_30P
	Bitrate	1Mbps~13Mbps（each channel)
	Rate Control	CBR
Audio	Encoding	MPEG1 Layer2

	Sampling rate	44.1KHz and 48Khz
	Bitrate	64kbps ,128Kbps,192kbps,224kbps,256kbps,320 kbps,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)	
	English interface	
	Ethernet software upgrade	
Miscellaneous	Chassis	19-inch rack mount
	Weight	6kg
	Environment	0~45℃(work)；-20~80℃(storage)
	Power requirements	AC100~240V，50/60Hz