

MPEG-4 Super Encoder

ECD2108/12/16/20/24-HDI



Product Introduction

ECD2108/12/16/20/24-HDI MPEG4 AVC/H.264 HD IP Encoder is a professional HD audio & video encoding and multiplexing device. It has 8/12/16/20/24 HDMI video input interfaces, supporting MPEG-4 video encoding and MPEG 1 Layer 2 audio encoding. This device can simultaneously encode 8/12/16/20/24 channel HD audio & video; moreover, it has an IP output port can support 1MPTS and 8/12/16/20/24 SPTS IP out.

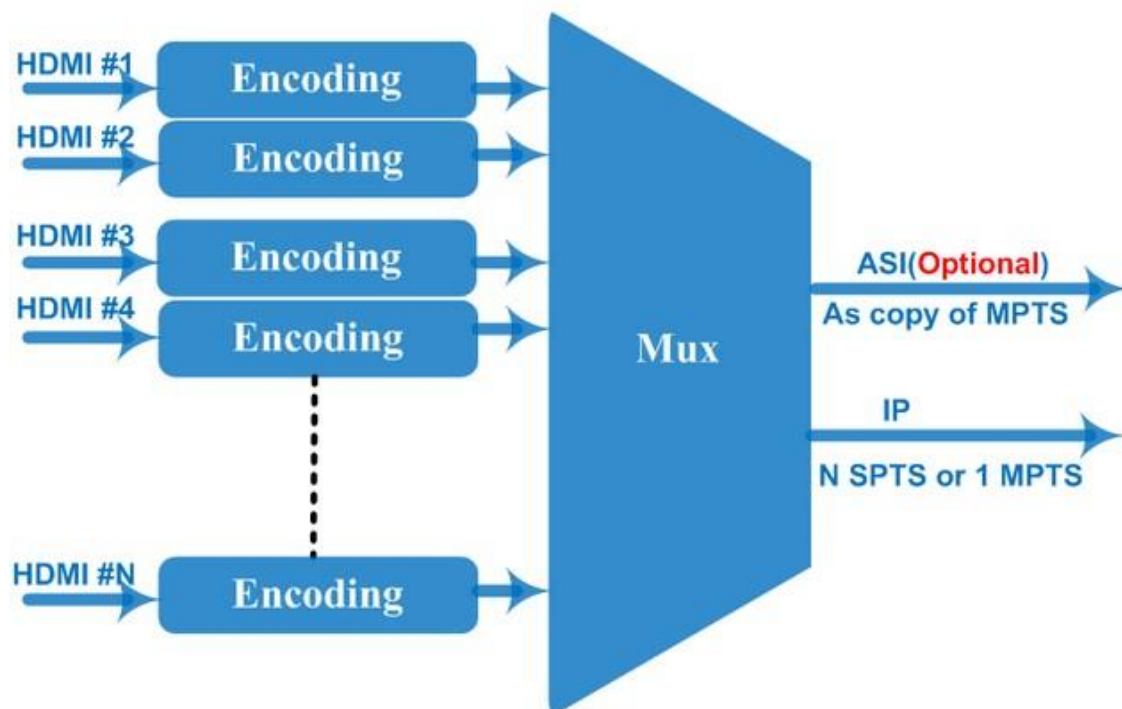
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Feature

- 8× HDMI video inputs with 8 SPTS and 1 MPTS output through Data 1 or Data 2
- 12 × HDMI video inputs with 12 SPTS and 1 MPTS output through Data 1 or Data 2
- 16 × HDMI video inputs with 16 SPTS and 1 MPTS output through Data 1 or Data 2
- 20 × HDMI video inputs with 20 SPTS and 1 MPTS output through Data 1 or Data 2
- 24×HDMI video inputs with 24 SPTS or 1 MPTS output through Data 1 or Data 2
- Support MPEG4 AVC/H.264 video encoding format
- MPEG1 Layer II audio encoding format, support audio gain adjustment
- Support 1 ASI output (optional) as copy of MPTS
- Support IP output over UDP and RTP
- Support “Null PKT Filter” function
- Support PID Remapping
- Support PCR accurate adjusting
- Support PSI/SI editing and inserting
- Control via web management, and easy updates via web
- Lowest cost per channel, breakthrough price

Principle chart



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Specification

Input	8/12/16/20/24 HDMI inputs		
Video	Resolution	input	1920×1080_60P, 1920×1080_60i, 1920×1080_50P, 1920×1080_50i, 1280×720_60P, 1280×720_50P, 720×576_50i,720×480_60i,
		output	1920×1080_30P, 1920×1080_25P, 1280×720_30P, 1280×720_25P, 720×576_25P,720×480_30P,
	Encoding	MPEG-4 AVC/H.264	
	Bit-rate	1Mbps~13Mbps each channel	
	Rate Control	CBR/VBR	
	GOP Structure	IP...P (P Frame adjustment, without B Frame)	
Audio	Encoding	MPEG-1 Layer 2	
	Sampling rate	48KHz	
	Resolution	24-bit	
	Bit-rate	64kbps,128Kbps,192kbps,224kbps,256kbps, 320kbps,384kbps	
Multiplexing	Maximum PID Remapping	180 input per channel	
	Function	PID remapping (automatically or manually)	
		Accurate PCR adjusting	
		Generate PSI/ SI table automatically	
Stream output	12 SPTS (8/16/20/24 SPTS) IP or 1MPTS output over UDP/RTP, 1*1000 Base-T Ethernet interface ASI output(optional) as copy of MPTS		
System function	Network management(WEB)		
	Ethernet software upgrade		
Miscellaneous	Dimension(W×L×H)	482mm×410mm×44mm	
	Approx weight	8kg	
	Environment	0~45°C(work); -20~80°C (Storage)	
	Power requirements	AC 110V± 10%, 50/60Hz, AC 220 ± 10%, 50/60Hz	
	Power consumption	70W	