

HP8533D 12 in 1 MPEG-2&H.264 HD Encoder

12xHD/SD-SDI in → ASI, IP out



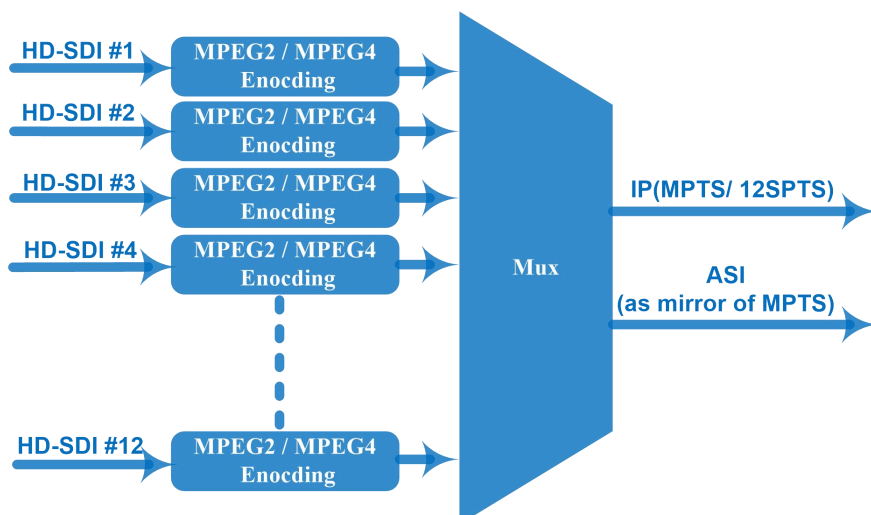
Product Overview

HP8533D MPEG-2 & H.264 HD Encoder is the new broadcasting audio & video encoding and multiplexing device with powerful functionality. It is equipped with 12 SDI audio & video input interfaces. It supports both MPEG-2 and MPEG-4 AVC/H.264 HD/SD video encoding and MPEG1 Layer II, MPEG2-AAC, MPEG4-AAC, Dolby Digital AC3 (2.0) audio encoding (Optional), AC3 (2.0/5.1) pass through. Its high integration and cost-effective design make this device widely used in variety of digital distribution systems such as CATV digital head-end, satellite and terrestrial digital TV, etc.

Key features

- 12 HD-SDI inputs with MPEG2 & MPEG4 AVC/H.264 Encoding
- MPEG1 Layer II, MPEG2-AAC, MPEG4-AAC, Dolby Digital AC3 (2.0) encoding (Optional) AC3 (2.0/5.1) passthrough
- Support 12 channel CC (close caption) input, EIA608/EIA708
- Support 1MPTS and 12 SPTS IP (DATA1 and DATA2 port) output over UDP, RTP/RTSP
- Support ASI output as mirror of MPTS
- Support PID remapping/ accurate PCR adjusting/PSI/SI editing and inserting
- Control via web management, and easy updates via web

Principle Chart



Technical specification

Input	12 HD-SDI inputs with CC (EIA608/EIA708)	
Video	Input	1920*1080_60p, 1920*1080_50p, 1920*1080_60i, 1920*1080_50i, 1280*720_60p, 1280*720_50P, 720*480_60i, 720*576_50i
	Output	1920*1080_60p, 1920*1080_50p, 1920*1080_60i, 1920*1080_50i, 1440*1080_60i, 1440*1080_50i, 1280*720_60p, 1280*720_50P, 720*576_50p, 720*576_50i, 720*576_30p, 720*576_25p, 720*480_60p, 720*480_60i, 720*480_30p, 720*480_25p, 320*240_60p, 320*240_50p, 320*240_30p, 320*240_25p, 320*180_60p, 320*180_50p, 320*180_30p, 320*180_25p, 960*540_50i, 704*576_50i, 704*480_60i, 640*576_50i, 640*480_60i, 544*576_50i, 544*480_60i,
	Encoding	MPEG2 & MPEG4 AVC/H.264
	Bit-rate	0.8~19Mbps for H.264 encoding 1~19Mbps for MPEG-2 encoding
	Rate Control	CBR/VBR
	GOP Structure	GOP B Frame: 0-3, GOP P Frame: 0-6
Advanced Pretreatment	De-interlacing, noise reduction	
Audio	Encoding	MPEG1 Layer II, MPEG2-AAC, MPEG4-AAC, Dolby Digital AC3 (2.0) encoding (Optional), AC3 (2.0/5.1) passthrough
	Sampling rate	48KHz
	Resolution	24-bit
	Bit-rate	64Kbps-320kbps each channel
Multiplexing	Maximum PID Remapping	256 input per channel

	Function	PID remapping (automatically or manually)
		Accurate PCR adjusting
		Generate PSI/ SI table automatically
Stream output	1 MPTS and 12 SPTS IP output over UDP and RTP/RTSP, 2*1000M Base-T Ethernet interface, Data 1 and Data 2 1 ASI output as mirror of MPTS	
System function	Network management (WEB) Ethernet software upgrade	
Miscellaneous	Dimension (W×L×H)	482mm×440mm×44mm
	Approx weight	8kg
	Environment	0~45℃(work); -20~80℃ (Storage)
	Power requirements	AC 110V± 10%, 50/60Hz, AC 220 ± 10%, 50/60Hz
	Power consumption	20W