

## HP8533M 12 in 1 MPEG-2&H.264 HD Encoder

12xHDMI in → ASI, IP out



### Product Overview

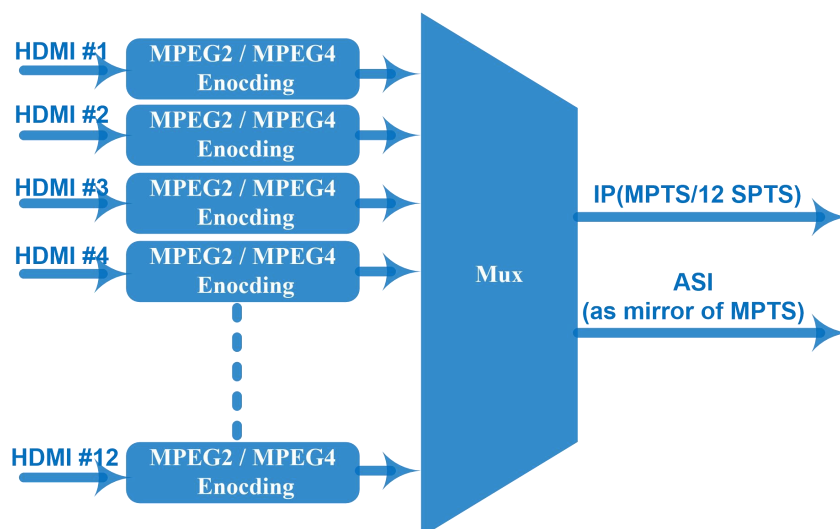
HP8533M MPEG-2 & H.264 HD Encoder is the new broadcasting audio & video encoding and multiplexing device with powerful functionality. It is equipped with 12 HDMI audio & video input interfaces and 12 CC input ports (Closed Caption).

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 HDMI inputs with MPEG2 & MPEG4 AVC/H.264 HD/SD Encoding**
- **Support 12 channel CC(Closed Caption, EIA608/EIA708) input**
- **MPEG1 Layer II, MPEG2-AAC, MPEG4-AAC, Dolby Digital AC3 (2.0) encoding (Optional), AC3 (2.0/5.1) passthrough**
- **Support 1 MPTS and 12 SPTS IP ( DATA 1 and DATA2) 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

<b>Input</b>	12 HDMI inputs 12 CC (closed caption, EIA608/EIA708) input, BNC interface		
<b>Video</b>	Resolution	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	
<b>Audio</b>	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	
<b>Multiplexing</b>	Maximum PID Remapping	256 input per channel	
	Function	PID remapping ( automatically or manually)	

		Accurate PCR adjusting
		Generate PSI/ SI table automatically
<b>Stream output</b>	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	
<b>System function</b>	Network management (WEB) Ethernet software upgrade	
<b>Miscellaneous</b>	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