



ADV-8120 Multi-Channel Encoder is a professional HD video & audio encoding and multiplexing device. It has a choice of 8/12/16/20/24 HDMI video input interfaces, supporting HEVC/H.265, H.264 / MPEG-4 AVC video encoding with H.265's high compression ratio.

This device can simultaneously encode 8/12/16/20/24 HDMI channels.

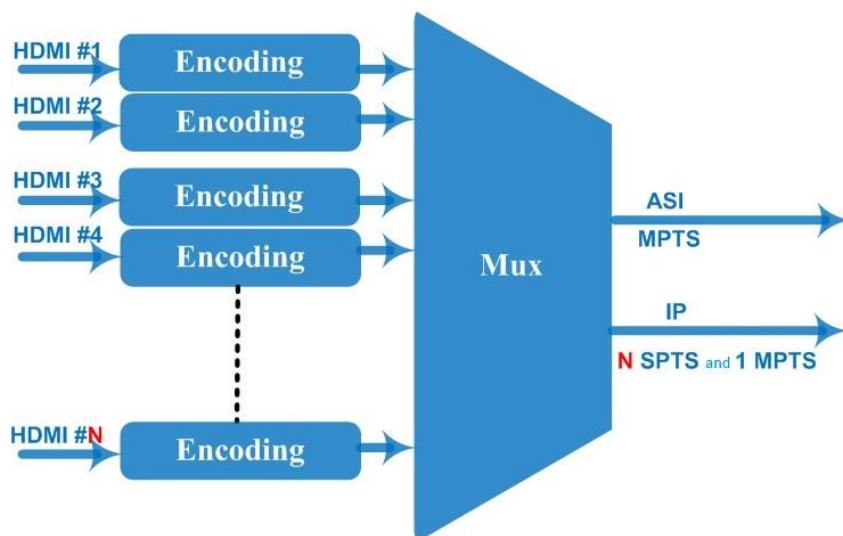
ADV-8120 has an IP output port that supports 1MPTS and 8/12/16/20/24 SPTS IP output.

It also has ASI port supporting ASI MPTS output.

Its high integrated and cost effective design makes this multi-channel encoder widely used in varieties of digital distribution systems such as cable TV digital head-end, satellite and terrestrial digital TV broadcasting, surveillance, etc.

## Key features

- 8/12/16/20/24× HDMI video inputs with 8/12/16/20/24 SPTS and 1 MPTS output through 2 IP ports.
- HEVC/H.265, MPEG4 AVC/H.264 video encoding format
- MPEG-1 Layer 2, LC-AAC, HE-AAC, HE-AAC V2 audio encoding. AC3 Passthrough.
- Supports B frame GOP, high video compression ratio and stable bitrate
- ASI MPTS output
- IP output over UDP and RTP/RTSP
- Supports Logo/QR code insertion
- Supports “Null PKT Filter” function
- PID Remapping
- PCR adjustment
- WEB control and update



## Ordering Information

- ADV-8120-8 - 8-Channel H.265/H.264 HD Encoder with 8 HDMI inputs
- ADV-8120-12 - 12-Channel H.265/H.264 HD Encoder with 12 HDMI inputs
- ADV-8120-16 - 16-Channel H.265/H.264 HD Encoder with 16 HDMI inputs
- ADV-8120-20 - 20-Channel H.265/H.264 HD Encoder with 20 HDMI inputs
- ADV-8120-24 - 24-Channel H.265/H.264 HD Encoder with 24 HDMI inputs

**Technical specifications**

<b>Input</b>	8/12/16/20/24 HDMI inputs, HDCP 1.4	
<b>Video</b>	Resolution	Input/Output: 1920×1080@60P, 1920×1080@59.94P, 1920×1080@50P, 1280×720@60P, 1280×720@59.94P, 1280×720@50P  Input: 1920×1080@60i, 1920×1080@59.94i, 1920×1080@50i Output: 1920×1080@60P, 1920×1080@59.94P, 1920×1080@50P
	Chroma	4:2:0
	Encoding	MPEG-4 AVC/H.264, HEVC/H.265
	Bit-rate (per channel)	0.5 Mbps~20 Mbps (H.265) 4 Mbps~20 Mbps (H.264)
	Rate Control	CBR/VBR
	GOP Structure	IBBP, IPPP
<b>Audio</b>	Encoding	MPEG-1 Layer 2, LC-AAC, HE-AAC, HE-AAC V2, AC3 Passthrough
	Sampling rate	48KHz
	Bit-rate	48Kbps~384Kbps (MPEG-1 Layer 2 & LC-AAC) 24 Kbps~128 Kbps (HE-AAC) 18 Kbps~56 Kbps (HE-AAC V2)
	Audio Gain	0~255
<b>Multiplexing</b>	Maximum PID Remapping	180 output PIDs per channel
	Function	PID remapping ( automatically or manually) Accurate PCR adjusting
<b>Stream output</b>	8/12//16/20/24 SPTS IP and 1MPTS output over UDP and RTP/RTSP, unicast/multicast ASI output as copy of MPTS	
<b>System function</b>	Network management(WEB)	
	Ethernet software upgrade	
<b>Miscellaneous</b>	Dimensions (W×L×H)	482mm×410mm×44mm
	Approx weight	5kg
	Environment	0~45℃(operation); -20~80℃ (Storage)
	Power requirements	AC 110V± 10%, 50/60Hz, AC 220 ± 10%, 50/60Hz
	Power consumption	70W