



The ADV-8120 is a multichannel encoding device developed for the purpose of converting HDMI inputs into broadcast standard IP and DVB-ASI streams . It has a choice of 8/12/16/20/24 HDMI video input interfaces, supporting H.264 / MPEG-4 AVC video encoding and MPEG-1 Layer 2 audio encoding.

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 outputs

A DVB-ASI output port supporting ASI MPTS output is also available

The ADV-8120's low cost makes it ideal for commercial video distribution and monitoring.

Key features

- 8× HDMI video inputs with 8 SPTS and 1 MPTS output
- 12 × HDMI video inputs with 12 SPTS and 1 MPTS output
- 16 × HDMI video inputs with 16 SPTS and 1 MPTS output
- 20 × HDMI video inputs with 20 SPTS and 1 MPTS output
- 24×HDMI video inputs with 24 SPTS and 1 MPTS output
- MPEG4 AVC/H.264 video encoding format
- MPEG1 Layer II audio encoding format, audio gain adjustment
- ASI MPTS output
- IP output over UDP and RTP
- Supports QR code, LOGO, OSD insertion
- Supports “Null PKT Filter” function
- PID Remapping
- PCR adjustment
- PSI/SI edit and insertion
- Web Management
- Very low encoding cost per channel

Ordering Information

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

Technical specifications

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	8 SPTS (12//16/20/24 SPTS) IP or 1MPTS output over UDP/RTP, 1*1000 Base-T Ethernet interface ASI output as copy of MPTS		
System function	Network management(WEB)		
Miscellaneous	Dimensions (W×L×H)	482mm×410mm×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	70W	