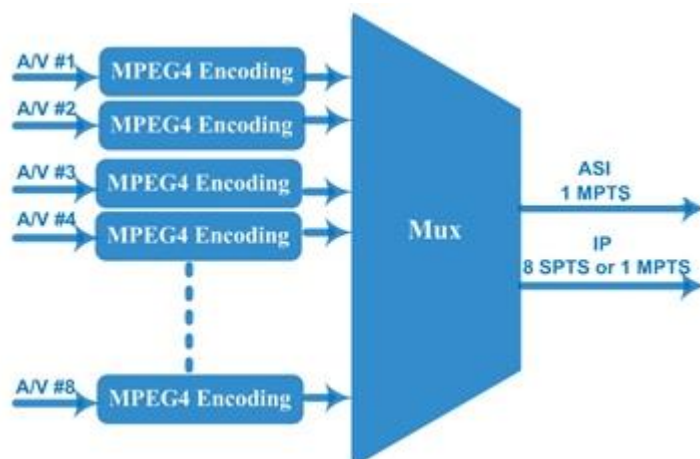


ADV-8124 is high quality multi-channel professional video/audio encoder with multiplexer. It has 8/16/24 encoding channels with CVBS video and unbalanced audio inputs. It supports MPEG-4 AVC/H.264 video encoding and MPEG1 Layer II Audio encoding. ADV-8124 has modular design, up to 3 standalone modules (24 channels) can be installed. Each module through GE output port can output 8 SPTS and one multiplexed MPTS. Each module also can output one MPTS through 2 ASI output ports. 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, surveillance, etc.

## Key features

- 8/16/24×CVBS video inputs with MPEG4 AVC/H.264 Video encoding
- PAL and NTSC SD video formats
- MPEG1 Layer II Audio encoding
- Audio gain adjustment
- IP output over UDP and RTP: 8/16/24 SPTS and 1/2/3 MPTS, multicast/unicast
- 1/2/3 MPTS output through 2/4/6 ASI output ports
- OSD insertion: QR code, LOGO, Caption
- Real-time output bit-rate monitoring
- Web management control
- Modular design, 1RU chassis supports up to 3 modules

## Block Diagram (for 1 module)



**Technical specification**

<b>Input</b>	8/16/24 CVBS inputs , RCA interface	
<b>Video</b>	Resolution	720×576i, 720×480i,
	Encoding	MPEG4 AVC/H.264
	Bit-rate	1Mbps~7Mbps each channel
	Rate Control	CBR/VBR
	GOP Structure	IPP
<b>Audio</b>	Encoding	MPEG-1 Layer 2
	Sampling rate	48KHz
	Resolution	24-bit
	Audio Gain	0-255 adjustable
	Bit-rate	64/128/192/224/256/320/384Kbps each channel
<b>Stream output</b>	IP output (one module: 8 SPTS and 1 MPTS) over UDP and RTP, unicast/multicast, 1000 Base-T Ethernet interface ASI output (one module: 1 MPTS through 2 ASI ports (one for back up)), BNC interface	
<b>System function</b>	Network management (WEB)	
	Ethernet software upgrade	
<b>Miscellaneous</b>	Dimension(W×L×H)	440mm×410mm×44.5mm
	Approx weight	5kg
	Environment	0~45℃(work); -20~80℃ (Storage)
	Power requirements	AC 110V± 10%, 50/60Hz, AC 220 ± 10%, 50/60Hz

**Ordering Information**

**ADV-8124-8 - 8-channel H.264 (MPEG-4 AVC) SD encoder with 8 CVBS inputs**

**ADV-8124-16 - 16-channel H.264 (MPEG-4 AVC) SD encoder with 16 CVBS inputs**

**ADV-8124-24 - 24-channel H.264 (MPEG-4 AVC) SD encoder with 24 CVBS inputs**