

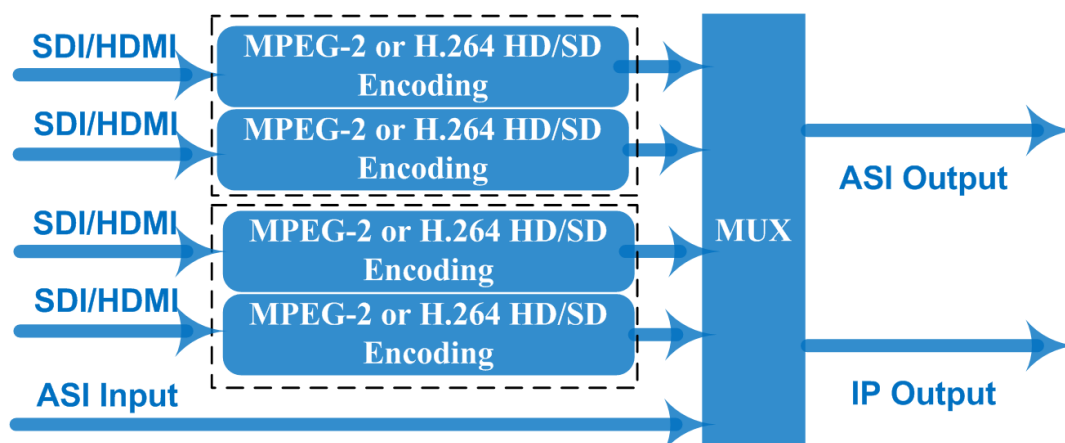


ADV-8104 is high quality 4-Channel professional video/audio encoder with powerful functionality. It has 4 independent encoding channels with choice of SDI with embedded audio or HDMI with embedded audio inputs.

It supports MPEG-2 and H.264 video encoding and MPEG-1 Audio layer 2, MPEG 2-AAC, MPEG 4-AAC, and Dolby Digital AC3 audio encoding.

ADV-8104 has ASI input and built-in multiplexer.

It has 2 ASI outputs (mirrored) and IP output port. Four encoding programs can be output as 4 SPTS and one MPTS.



Key Features

- Choice of 4 SDI or 4 HDMI video inputs with embedded audio
- H.264/MPEG-4 AVC and Mpeg2 HD/SD video encoding
- Input/output resolution – up to 1080p
- Supports resolution downscaling
- MPEG1 Layer 2, MPEG 2-AAC, MPEG 4-AAC, Dolby Digital AC3 audio encoding
- ASI input for re-multiplexing
- ASI multiplexed output (MPTS)
- IP outputs (MPTS and 4 SPTS) over UDP, RTP/RTSP, unicast/multicast
- CC (closed caption), EIA 608, EIA 708 and Line 21 for SDI interface
- Built-in multiplexer
- Low Latency function
- PSI/SI editing and inserting
- IP null packet filter
- CBR video encoding
- LCD / keyboard and Web-based NMS control
- Dual power supply

Technical Specifications

Encoding

Video

Encoding	MPEG2 & MPEG4 AVC/H.264
Input	HD-SDI*4 or HDMI*4
Resolution	1920*1080_60P, 1920*1080_50P, 1920*1080_59.94P (-for MPEG4 AVC/H.264 only) 1920*1080_60i, 1920*1080_50i, 1920*1080_59.94i 1280*720_60P, 1280*720_50P, 1280*720_59.94P 720*480_59.94i, 720*576_50i
Bit Rate	1~19.5Mbps
Rate Control Mode	CBR
Chroma Sample	4:2:0
Aspect Ratio	16:9, 4:3

Audio

Encoding	MPEG1 Layer II, MPEG2-AAC, MPEG4-AAC, Dolby Digital AC3
Dialog Normalization Applicable for DD AC3 encoding only)	-31 ~ -1 dB
Sample rate	48KHz
Bit rate	64kbps, 96kbps, 128kbps, 192kbps, 256kbps, 320kbps

System

Local interface	LCD + control buttons
Remote management	Web NMS
Low Latency Mode	Normal, mode 1, mode 2, manual
Output	2*ASI mirrored out (BNC type); IP (1 MPTS & 4 SPTS) over UDP, RTP/RTSP, unicast/multicast (RJ45, 1000M)
NMS interface	RJ45, 100M

General

Power	AC 100V~240V, 45W
Dimensions	482*400*44mm
Weight	4.5 kgs
Operation temperature	0~45°C

Ordering Info

ADV-8104-S - 4-channel H.264/MPEG-2 HD/SD encoder with 4 SDI input

ADV-8104-H - 4-channel H.264/MPEG-2 HD/SD encoder with 4 HDMI inputs

ADV-8104-SH - 4-channel H.264/MPEG-2 HD/SD encoder with 2 SDI and 2 HDMI inputs