



ENCODING INTERFACE OPTIONS



ADV-8102 is high quality 2-Channel professional video/audio encoder with powerful functionality. It has 2 independent encoding channels with choice of SDI with embedded audio or HDMI with embedded audio or CVBS/HDMI/YPbPr video inputs with unbalanced audio inputs.

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

ADV-8102 has 2 ASI outputs and IP output port. 2 encoding programs can be output as 2 SPTS or one MPTS.

ADV-8102 has an ASI input and can multiplex the input TS with the 2 encoded programs to generate a MPTS output.

Key Features

- Choice of SDI or HDMI or CVBS/HDMI/YPbPr video inputs
- H.264/MPEG-4 AVC and Mpeg2 HD/SD video encoding
- MPEG1 Layer 2, MPEG2-AAC, MPEG4-AAC, Dolby Digital AC3 audio encoding
- 2 ASI outputs (MPTS and 2 SPTS)
- IP outputs (MPTS and 2 SPTS) over UDP, RTP/RTSP
- CC (closed caption), EIA 608 and EIA 708 for SDI interface
- ASI input, Built-in multiplexer
- Low Latency function
- PSI/SI editing and inserting
- IP null packet filter
- VBR/CBR video encoding
- LCD / keyboard and Web-based NMS control

Technical Specifications

Encoding

Video

Encoding	MPEG2 & MPEG4 AVC/H.264
Input	HDMI*2 or SDI*2 or (YPbPr+HDMI+CVBS)*2
Resolution	1920*1080_60P, 1920*1080_50P, (for MPEG4 AVC/H.264 only, except YPbPr+CVBS) 1920*1080_60i, 1920*1080_50i,(except CVBS) 1280*720_60p, 1280*720_50P(except CVBS) 720*480_60i, 720*576_50i
Bit Rate	1~19.5Mbps
Rate Control Mode	CBR/VBR

Audio (one stereo pair per each video)

Encoding	MPEG1 Layer II, MPEG2-AAC, MPEG4-AAC, Dolby Digital AC3
Sample rate	48KHz
Bit rate	64kbps, 96kbps,128kbps, 192kbps, 256kbps, 320kbps

System

Local interface	LCD + control buttons
Remote management	Web NMS
Output	2ASI out (BNC type) IP (1 MPTS & 2 SPTS) over UDP, RTP/RTSP (RJ45, 100M)
NMS interface	RJ45, 100M

General

Power	AC 100V~240V
Dimensions	482*300*44mm
Weight	3.5 kgs
Operation temperature	0~45°C

Ordering Info

ADV-8102-S - 2-channel H.264/MPEG-2 HD/SD encoder with 2 SDI inputs

ADV-8102-H - 2-channel H.264/MPEG-2 HD/SD encoder with 2 HDMI inputs

ADV-8102-C - 2-channel H.264/MPEG-2 SD encoder with 2 CVBS/HDMI/YPbPr inputs