



### 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 4 SPTS or one MPTS, unicast/multicast.

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 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 SPTS)**
- **IP outputs (MPTS and 4 SPTS) over UDP, RTP/RTSP, unicast/multicast**
- **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) 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 & 4 SPTS) over UDP, RTP/RTSP (RJ45, 100M), unicast/multicast
NMS interface	RJ45, 100M

### General

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

## Ordering Info

- ADV-8102-S - 2-channel H.264/MPEG-2 HD/SD encoder with 2 SDI inputs**
- ADV-8102-S1 - Single-channel H.264/MPEG-2 HD/SD encoder with SDI input**
  
- ADV-8102-H - 2-channel H.264/MPEG-2 HD/SD encoder with 2 HDMI inputs**
- ADV-8102-H1 - Single-channel H.264/MPEG-2 HD/SD encoder with HDMI input**
  
- ADV-8102-C - 2-channel H.264/MPEG-2 SD encoder with 2 CVBS/HDMI/YPbPr inputs**
- ADV-8102-C1 - Single-channel H.264/MPEG-2 SD encoder with CVBS/HDMI/YPbPr inputs**