



The ADV-8100 MPEG-2/H.264 HD/SD Encoder is high quality professional broadcasting audio & video encoder with powerful functionality. It is equipped with multiple video input interfaces (SDI, CVBS, YPbPr and HDMI) and audio input interfaces (SDI/HDMI embedded, AES, RCA and XLR) to be compatible with different signal sources.

Multiple audio and video encoding formats are available to meet customers' various requirements.

It supports 4 stereo (8 mono) or one DD 2.0 (AC3) audio encoding.

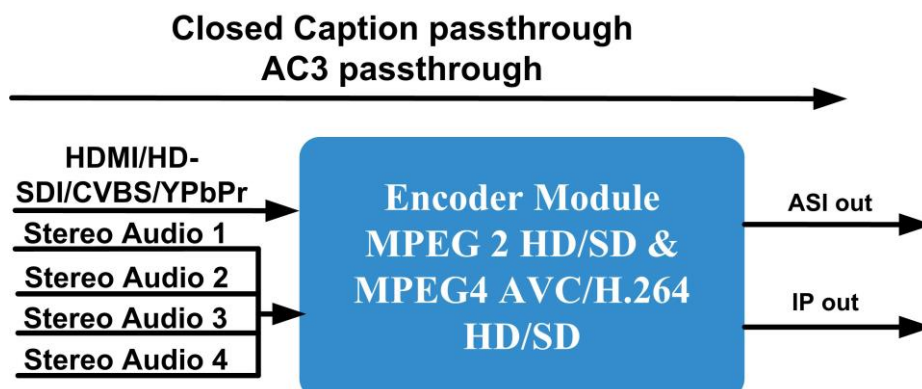
It supports DD 2.0/5.1 (AC3) pass-through.

ADV-8100 has ASI and IP outputs.

It supports OSD insertion: QR code, LOGO, Caption,

## Key Features

- MPEG-2 HD/SD and MPEG-4 AVC/H.264 HD/SD video encoding
- 1080i, 720p, 480i, 576i video resolutions; supports downscaling.
- Chroma: 4:2:0, 4:2:2
- Low latency, selectable: 150ms, 200ms, 350ms, 650ms
- MPEG1 Layer II, HE-AAC (v1&v2), LC-AAC audio encoding
- DD AC3 (2.0) audio encoding
- DD AC3 (2.0/5.1) audio pass-through (for SDI in)
- 4 stereo or 8 mono audio encoding, Analog or SDI/HDMI embedded
- OSD insertion: QR code, LOGO, Caption
- Video buffer
- CC (closed captioning), EIA 608 and EIA 708 (for CVBS and SDI in)
- ASI output
- IP over UDP (unicast/multicast) and RTP (FEC, SMPTE 2022-1/2) output
- Web and front panel LCD control





## Specifications

	Interface	1×SDI, 1×CVBS, 1×YPbPr and 1×HDMI		
<b>Video</b>	Resolution	<b>Input</b>	<b>Output</b>	<b>Interface Applicable</b>
		1920×1080i@60	1920×1080i, 1440×1080i, 1280×1080i, 960×1080i	HDMI, SDI, YPbPr
		1920×1080i @59.94		
		1920×1080i @50		
		1280×720p@60	1280×720p, 960×720p, 640×720p	HDMI, SDI, YPbPr
		1280×720p@59.94		
		1280×720p@50		
720×576i@50	720×576, 704×576, 640×576, 544×576, 528×576, 480×576, 352×576	SDI, CVBS		
720×480i@59.94	720×480, 704×480, 640×480, 544×480, 528×480, 352×480	SDI, CVBS		
Encoding	MPEG-2 HD/SD; MPEG-4 AVC/H.264 HD/SD			
Bitrate Range	0.20 – 60.00 Mbps			
Rate Control	CBR			
GOP Structure	Auto, IP, IPB, IPBB, IPBBB			
Aspect Ratio	4:3, 14:9 (for SD video), 16:9 (for HD video)			
Chroma	4:2:0, 4:2:2			
<b>Audio</b>	Interface	4×XLR, 4×RCA, 1×AES, 1×HDMI, 1×SDI (supports maximum 4 stereos synchronous processing)		
	Encoding	MPEG-1 Layer II, HE-AAC (v1&v2), LC-AAC, DD AC3 (2.0); DD AC3 (2.0/5.1) pass-through (for SDI in)		
	Sampling rate	48KHz		
	Bit-rate	32Kbps~640Kbps		
<b>Low Delay options</b>		150ms, 200ms, 350ms, 650ms		
<b>Stream output</b>		2×ASI output ports, BNC interface IP over UDP (unicast/multicast) and RTP (FEC, SMPTE 2022-1/2)		
<b>System functions</b>		LCD/keyboard and web management Ethernet software upgrade		
<b>General</b>	Dimensions	482mm×405mm×44.5mm (W × D × H)		
	Weight	Approx 4.0Kg		
	Temperature	0~45°C (Operation), -20~80°C (Storage)		
	Power	AC110V±10%, 50/60Hz; AC 220V±10%,50/60Hz; 21W		