



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 (AES, RCA and XLR) to be compatible with different signal sources.

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

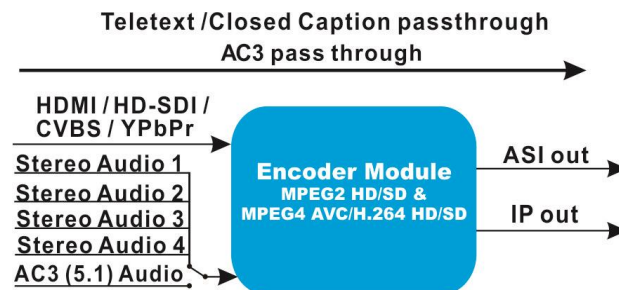
It supports 4 stereo (8 mono) or one DD 2.0/5.1 (AC3) audios.

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; downscaling.
- Chroma: 4:2:0, 4:2:2
- Low latency, selectable: 150ms, 200ms, 350ms, 650ms
- MPEG1 Layer II, HE-AAC (v1&v2), LC-AAC and DD AC3 (2.0, 5.1) audio encoding
- DD AC3 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 and IP over UDP/RTP output
- Web and front panel LCD control



Specifications

Video	Interface	1×SDI, 1×CVBS, 1×YPbPr and 1×HDMI		
	Resolution	Input	Output	Interface Applicable
		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	0.52 – 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			
Advanced Pretreatment	De-interlacing, noise reduction, sharpening			
Audio	Interface	4×XLR, 4×RCA, 1×AES, 1×HDMI, 1×SDI (supports maximum 4 stereos synchronous processing or one DD 5.1 CH processing)		
	Encoding	MPEG-1 Layer II, HE-AAC (v1&v2), LC-AAC, DD AC3 (2.0, 5.1); DD AC3 pass-through (for SDI in)		
	Sampling rate	48KHz		
	Resolution	24-bit		
	Bit-rate	32Kbps~384Kbps		
Low Delay options	150ms, 200ms, 350ms, 650ms			
Stream output	2×ASI output ports, BNC interface			
	IP over UDP/RTP, unicast/multicast, 100 Base-T Ethernet interface			
System functions	LCD/keyboard and web management			
	Ethernet software upgrade			
General	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		
	Consumption	21W		