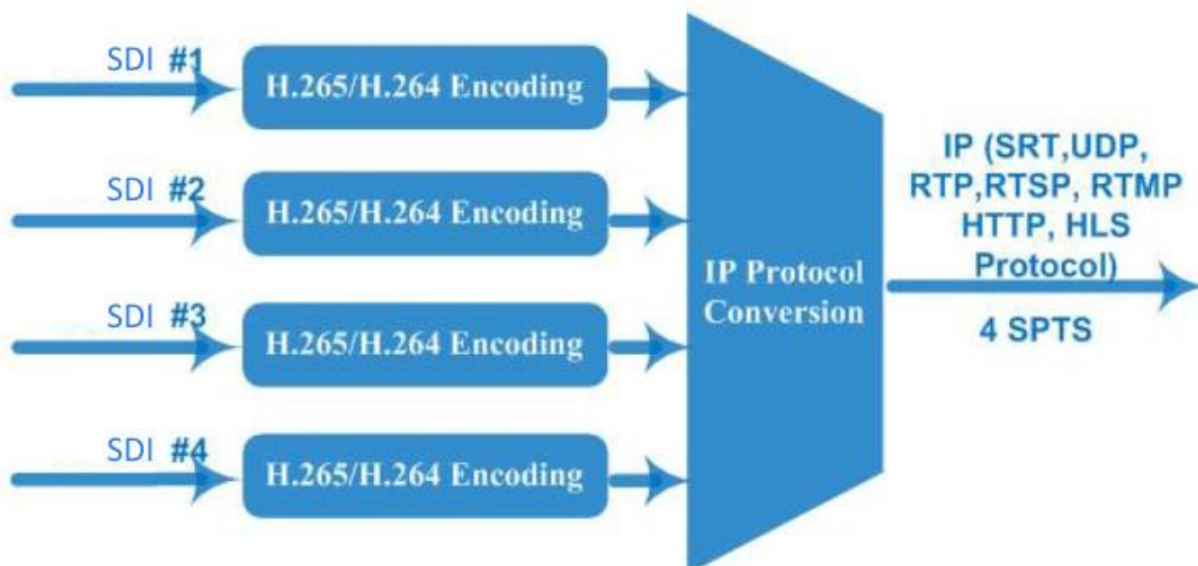




- Ultra-Low bitrate encoding without compromise on quality
- HD encoding up to Full HD: 720p, 1080i, 1080p
- 4/8/12 encoding channels H.265 or H.264
- Supports Noise Reduction, De-interlacing and Sharpening functions
- 4/8/12 HD-SDI inputs
- IP outputs: 4/8/12 SPTS
- IP output formats: SRT, UDP, RTP, RTSP, RTMP, HTTP, HLS

The ADV-8117 is AdvancedDigital's newest encoder, utilizing the latest high quality, low bitrate H.265 High Efficiency Video Coding (HEVC) technologies. This next generation encoder allows content creators encode HD content while maintaining the current data bandwidth and storage requirements they've enjoyed with previous generation H.264 encoders. This allows operators to improve video quality without having to massively upgrade their entire network bandwidth and storage. Various TS/IP output formats ensure that the encoder's output can be fed into the existing broadcast infrastructure. To be used as input to modulators, multiplexer's, IRD's, storage servers, etc.

BLOCK DIAGRAM FOR ONE MODULE



Ordering Info

ADV-8117-4 - H.265/H.264 HD encoder with 4 HD-SDI inputs

ADV-8117-8 - H.265/H.264 HD encoder with 8 HD-SDI inputs

ADV-8117-12 - H.265/H.264 HD encoder with 12 HD-SDI inputs

Technical specifications

Inputs	4/8/12 HD-SDI (1/2/3 modules)		
Video Encoding	Encoding Format	H.265/HEVC, H.264/MPEG-4 AVC	
	Input resolution (per one module)	Output resolution (per one module)	
		HEVC/H.265	MPEG-4 AVC / H.264
	4x 1080P-50/60	4x 1080P-50/60	2x 1080P-50/60
	4x 1080I-50/60	4x 1080P-50/60	4x 1080I-50/60 or 2x 1080P-50/60
	4x 720P-50/60	4x 720P-50/60	4x 720P-50/60
	Chroma	4:2:0	
	Bitrate (per channel)	0.5 Mbps ~ 20 Mbps	
	Rate Control	CBR/VBR	
	GOP Structure	IBBP, IPPP	
Advanced Pretreatment	De-interlacing, Noise Reduction, Sharpening		
Audio Encoding	Encoding Format	MPEG-1 Layer 2, LC-AAC, HE-AAC, HE-AAC V2 AC3 Passthrough	
	Sampling rate	48KHz	
	Bitrate	48Kbps~384Kbps (MPEG-1 Layer 2 & LC-AAC) 24 Kbps~128 Kbps (HE-AAC) 18 Kbps~56 Kbps (HE-AAC V2)	
	Audio Gain	0~255	
Stream output	Per one module: 4 SPTS output over SRT/UDP/RTP/RTSP/RTMP/HTTP/HLS. 1000M/100M Base-T Ethernet interface (unicast/multicast), IPv4, IPv6 output, IP null packet filter		
Control	Web based management and firmware upgrade		
Other	Dimensions (W× L× H)	482mm×328mm×44mm	
	Approx weight	5kg	
	Temperature	0~45°C (operating), -20~80 (storage)	
	Power	AC 100V-220V±10%, 50/60Hz	