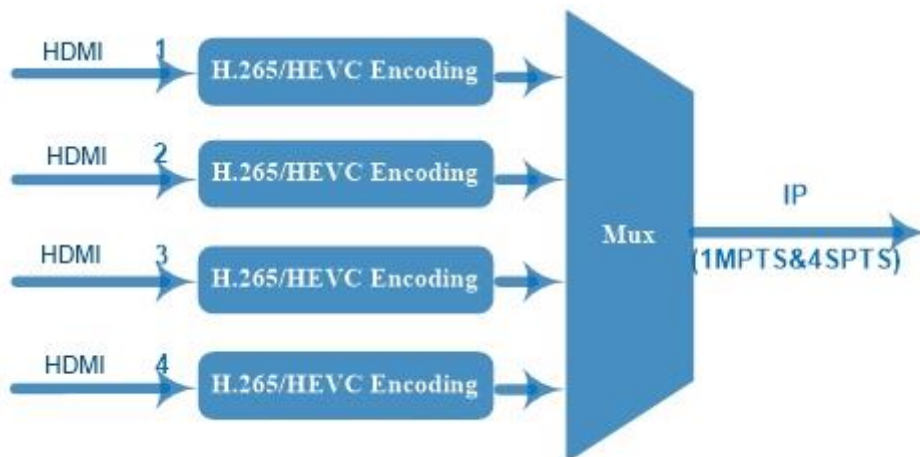




- Ultra-Low bitrate encoding without compromise on quality
- HD encoding up to 1080@60Hz:
- 4/8/12 encoding channels H.265 or H.264
- Supports Noise Reduction, De-interlacing and Sharpening functions
- 4/8/12 HDMI inputs, HDCP support

The ADV-8106 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. Standard TS/IP output 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, and storage servers.

BLOCK DIAGRAM FOR ONE MODULE



Ordering Info



ADV-8106-4 - H.265/H.264 HD encoder with 4 HDMI inputs



ADV-8106-8 - H.265/H.264 HD encoder with 8 HDMI inputs



ADV-8106-12 - H.265/H.264 HD encoder with 12 HDMI inputs

Technical specifications

Inputs	4/8/12 HDMI inputs (1.4), support HDCP 1.4		
Video Encoding	Encoding Format	H.265/HEVC, H.264/MPEG-4 AVC	
	Input resolution	Output resolution	
		HEVC/H.265	MPEG-4 AVC / H.264
	1080P-50/59.94/60	1080P-50/59.94/60	1080P-50/59.94/60
	1080I-50	1080P-50 1080P-25	1080I-50 1080P-50 1080P-25
	1080I-59.94/60	1080P-60 1080P-30	1080I-60 1080P-60 1080P-30
	720P-50/59.94/60	720P-50/59.94/60	720P-50/59.94/60
	Chroma	4:2:0	
	Bitrate (per channel)	0.5 Mbps ~ 20 Mbps (H.265/HEVC) 4 Mbps ~ 20 Mbps (H.264 / MPEG-4 AVC)	
	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	1 MPTS and 4 SPTS output over UDP/RTP/RTSP per module , 1000M/100M Base-T Ethernet interface (self-adaption). Supporting unicast and multicast. 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	