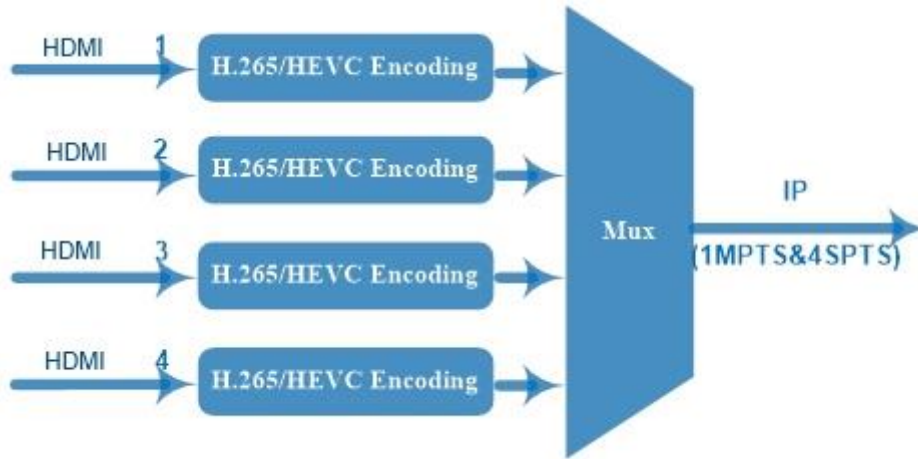




- Low bitrate encoding without compromise on quality
- 1/2/3 encoding modules with 4/8/12 HDMI inputs, HDCP support
- 4K UHD Encoding of up to 2160p@30Hz: 2/4/6 encoding channels H.265 or 1/2/3 encoding channel H.264
- Full HD 1080p encoding of up to 1080@60Hz: 4/8/12 encoding channels H.265 or 2/4/6 encoding channels H.264
- IP output: 1/2/3 MPTS and 4/8/12 SPTS
- Supports Noise Reduction, De-interlacing and Sharpening functions

The ADV-8105 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 4K UHD 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-8105-4 - 4K H.265/H.264 Encoder with 4 HDMI inputs**

**ADV-8105-8 - 4K H.265/H.264 Encoder with 8 HDMI inputs**

**ADV-8105-12 - 4K H.265/H.264 Encoder with 12 HDMI inputs**

## Technical specification

<b>Inputs</b>	4/8/12 HDMI inputs (1.4), support HDCP 1.4.	
<b>Video Encoding</b>	Encoding Format	H.265/HEVC, H.264/MPEG-4 AVC
	Resolution	3840×2160@30P, 3840×2160@29.97P (encoding 2/4/6 channels for H.265 or 1/2/3 channel for H.264)  1920×1080@60P, 1920×1080@59.94P, 1920×1080@50P (encoding 4/8/12 channels for H.265 or 2/4/6 channels for H.264)  1280×720@60P, 1280×720@59.94P, 1280×720@50P (encoding 4/8/12 channels for H.265 or for H.264)
	Chroma	4:2:0
	Bitrate	0.5Mbps~20Mbps (each channel)
	Rate Control	CBR/VBR
	GOP Structure	IBBP, IPPP
	Advanced Pretreatment	Noise Reduction, Sharpening
<b>Audio Encoding</b>	Encoding Format	MPEG-1 Layer 2, LC-AAC, HE-AAC, HE-AAC V2
	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
<b>Stream output</b>	1/2/3 MPTS and 4/8/12 SPTS output over UDP/RTP/RTSP, 1000M/100M Base-T Ethernet interface. Supporting unicast and multicast. IP null packet filter	
<b>Control</b>	Web based management and firmware upgrade	
<b>Other</b>	Dimension (W× L× H)	482mm×328mm×44mm
	Approx weight	5kg
	Temperature	0~45°C(operating), -20~80 (storage)
	Power	AC 100V-220V±10%, 50/60Hz