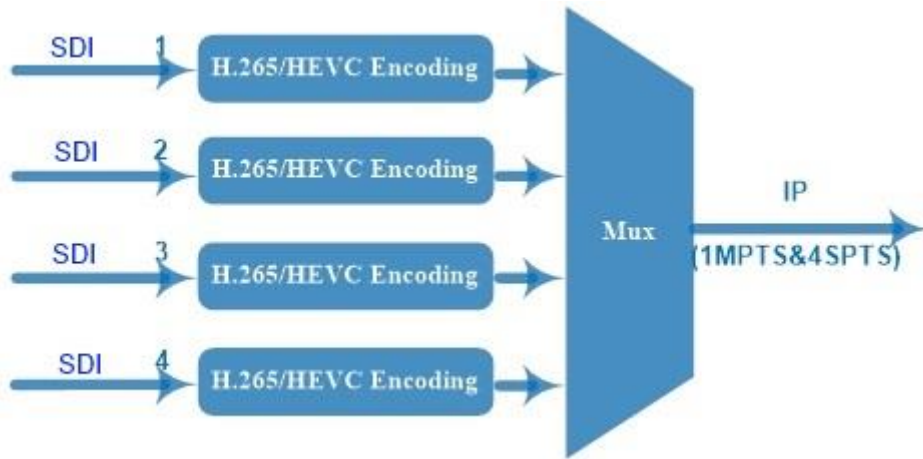




- Ultra-Low bitrate encoding without compromise on quality
- HD encoding up to 1080@60Hz:
- 4/8/12 encoding channels H.265 or H.264
- Supports Noise Reduction, De-interlacing and Sharpening functions
- 4/8/12 HD-SDI inputs

The ADV-8107 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-8107-4 - H.265/H.264 HD encoder with 4 HD-SDI inputs

ADV-8107-8 - H.265/H.264 HD encoder with 8 HD-SDI inputs

ADV-8107-12 - H.265/H.264 HD encoder with 12 HD-SDI inputs

Technical specifications

| | | | |
|-----------------------|--|--|----------------------------------|
| Inputs | 4/8/12 HD-SDI inputs | | |
| 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 | |