HVE9110 is AVC H.264 and MPEG-2 encoder which provides to the features available on HVE9100. HVE9110 provides two outputs of AVC H.264 and MPEG-2 individually against one video source.

### Key features

- Supports AVC/H.264 and MPEG-2 HDTV/SDTV
- Super Low Latency Mode (3 Frames, 1 Frame) (optional) *
- Super Low Latency Mode with Audio Compression (optional) *
- High Efficiency Mode (High Picture Quality at Low Bit Rate) (optional) *
- Multiple Video Format Compatibility including 1080i, 1080p, 720p, 576i, 480i, 1080p50 (optional), 1080p59.94 (optional), 1080p60 (optional)
- Embedded Audio Features up to 8ch/4PES
  - MPEG-1 LayerII: Stereo x 4
  - MPEG-2 AAC/MPEG-4 AAC/HE-AAC: 5.1+Stereo
  - Multiple Audio Format Support up to 8ch/4PES Combinations
- Closed Caption: EIA-608, EIA-708, ARIB STD-B37
- Ancillary Data Transmission Support: Time Code, SMPTE RDD11, SMPTE2038, ARIB STD-B40, OP-47
- Supports Satellite Carrier ID
- Seamless Bit Rate Change *
- TS Over IP Support with FEC
- Supports DHCP
- Easy Operation from Front Panel Display with Control Buttons as well as SNMP and WEB GUI via IP Network
- Supports BISS-1/E (optional)
- Quick Boot-up (23sec)
- Redundant Power Supply
- RoHS Compliant

* Available when encoding AVC/H.264
### Specifications

#### Video Specifications

<table>
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<tr>
<th>System</th>
<th>ISO/IEC13818-11 (MPEG-2 SYSTEM TRANSPORT STREAM)</th>
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<td>ISO/IEC14496-10 (AVC/H.264)</td>
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<td>ISO/IEC14496-7 (MPEG-2 AAC) LC Profile</td>
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#### Supported Standards

- Video Standards: ISO/IEC14496-3 subset 4 (MPEG-4 AAC) LC Profile
- Video Format: SMPTE310M-2006
- Video Throughput: 1080I (1920x1080) @60Hz
- Audio Input: AES/EBU 6ch
- Audio Encoding Channels: MPEG-1 L2(1:16), DSD(2:1), D-Sub(1:1), D-Sub(2:1), D-Sub(3:1), D-Sub(4:1), D-Sub(5:1), D-Sub(6:1), D-Sub(7:1), D-Sub(8:1)
- Audio Sampling Frequency: 48kHz
- Audio Bit Sampling: 16bit (MPEG-1, MPEG-2, ACO-4 HE-AAC, Dolby Digital)
- Bitrate: 128/192kbps (MPEG-1), 192kbps (MPEG-2 AAC-LC 1ch), 192kbps (MPEG-2 AAC-LC 2ch), 256/384kbps (MPEG-2/4 AAC-LC 4ch, 5ch, 6ch), 720x576, 720x480, 1920x1080, 1920x1080
-辅: Planned to be supported in the future.

#### Video Format

- Profile: Main, High, Main4:2:2
- Coding: ITU-R BT.601-4

#### Audio Input

- Sampling Frequency: 48kHz
- Bit Sampling: 16bit (MPEG-1, MPEG-2, ACO-4 HE-AAC, Dolby Digital)
- Bitrate: 128/192kbps (MPEG-1), 192kbps (MPEG-2 AAC-LC 1ch), 192kbps (MPEG-2 AAC-LC 2ch), 256/384kbps (MPEG-2/4 AAC-LC 4ch, 5ch, 6ch), 720x576, 720x480, 1920x1080, 1920x1080
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**Caution**

- In order to ensure correct and safe use, be sure to read the User’s manual before use.
- Do not install in locations exposed to water, humidity, steam, dust, or mist. Doing so could cause fire, electric shock, or equipment failure.
- Features and specifications are subject to change without prior notice.
- When exporting our products or technologies, please comply with the Foreign Exchange and Foreign Trade Law.

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