Key features

- Supports 10bit 4:2:2 H.264/AVC and MPEG-2 Decoding
- Low Latency Mode (Minimum Latency 1 Frame) with HVE9110, HVE9200, HVE9210, HVE9230, XVE9310 combination (with HVE9100: 3 Frames) *H.264/AVC only *Encoder optional
- Analog Audio output (optional *15)
- Closed Caption: CEA-608, CEA-708
- Customized Connection with Multiple Units for 3D and 4K decoding
- Auto signal Synchronization for 3D and 4K decoding (optional *8)
- Ancillary Data Transmission Support: Time Code, SMPTE RDD11, SMPTE2038, ARIB TR-B22, TR-B23
- Redundant IP input x 2
- Seamless Protection Switching for IP input (optional *10)
- Redundant power supply

- Multiple video format compatibility including 1080i, 1080p, 720p, 576i, 480i 1080p50 (optional *4), 1080p59.94 (optional *4), 1080p60 (optional *4)
- Phase Aligned Audio
- Compressed Audio for Super Low Latency (optional *9)
- Embedded audio features up to 16ch/8PES (optional *1)
  - Multiple audio format support up to 16ch/8PES combinations (optional *1)
  - MPEG-1 LayerII: Stereo x 8
  - MPEG-2 AAC/MPEG-4 AAC/HE-AAC (5.1 + Stereo) x 2

- Please refer to the option table on the reverse side of this brochure.
## Specifications

### Audio Specifications
- **Decoding Methods**
  - MPEG-1/2 (1ch Mono, 2ch Stereo) max. 4 ch
  - MPEG-2 AAC (1ch Mono, 2ch Stereo) max. 4 ch
  - MPEG-2 AAC-LC (1ch Mono, 2ch Stereo) max. 4 ch
  - MP3 (32-320kps) max. 4 ch
  - WAV (32-192kHz) max. 4 ch
  - MP2 (16-320kHz) max. 4 ch

- **Decoding Channels**
  - AES/EBU: 1ch Max. 16ch

- **Sampling Frequency**
  - 48kHz

- **Sampling Bit**
  - 16bit (MPEG-1, MPEG-2, B, A, D, E, C, C, C, C)

- **Bitrate**
  - 128/192kbits (MPEG-1, MPEG-2, B, C, D, E, A, C, C, C, C)

- **Pass Through**
  - Dolby E external decoder delay absorption function (0 to 1 frame)

### Video Specifications
- **Profile / Level**
  - H.264/AVC: Main, High, High-10/12
  - H.265/HEVC: Main Profile

- **Video Output**
  - SMPTE424M, SMPTE295M, SMPTE296M
  - BNC 2 lines (1.08Vp-p 75Ω)

- **Input Interface**
  - IP: Ethernet 10/100/1000 Base-T
  - HD9_OP_IPOUT
  - HD9_OP_GIP

- **Other**
  - RoHS Compliant

### Control Specifications
- **Input Interface**
  - IP: Ethernet 10/100/1000 Base-T
  - HD9_OP_IPOUT
  - HD9_OP_GIP

- **Other**
  - RoHS Compliant

### Input/Output
- **Input**
  - AES/EBU (1ch Max. 16ch)

- **Output**
  - AES/EBU (1ch Max. 16ch)

### Hardware
- **Output Format**
  - 144 MP3 + 432 (WAV) + 464 (HD)

- **Weight**
  - 3kg (w/o option card)

- **Power Source**
  - AC 100V to 240V, 50/60Hz

- **Power Consumption**
  - 50W max.

- **Operating Environment**
  - 0 to 45°C, 30 to 90% (condition not allowed)

- **RoHS Compliance**
  - This product is RoHS compliant

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**Caution**

Please use our products in accordance with the instructions provided in the manual, user's guide or specifications attached.

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**NOTICE**

- Dolby is a trademark of Dolby Laboratories.
- Our company may change specifications and the appearance for improvement that are incidental to the product without providing prior notice. At the purchase and the use of the product, please confirm the latest information.
- Exporting our products or technologies may be subject to the Foreign Exchange and Foreign Trade Law of Japan and export control acts and regulations of other related countries.