

C130

H.264/MPEG-2 HD Encoding Card



1 channel H.264/MPEG-2
HD/SD video encoding

Input:

Video: 1 x HD-SDI, BNC
1 x YPbPr, BNC
1 x CVBS, BNC

Audio: 2 x HD-SDI,
(audio embedded)

- 1 x AES/EBU,
Phoenix socket
(balanced)
- 1 x analog
stereo audio
(phoenix interface)

- Video format: H.264: Baseline, Main, and High
MPEG-2: Simple, Main, and High
 - Encoding level:
 - H.264:
 - 1.0 ~1.3
 - 2.0~2.2
 - 3.0~3.2
 - 4.0~4.2
 - 5.0~5.1
 - MPEG-2:
 - High, Main
 - **Encoding resolution ratio:**
 - 1920/1440/1280×1080
 - 1280/960×720
 - 720/704/640/544/528/352×576
 - 352×288
 - 352×240
 - 320×240

 - 320×180
 - 160×120
 - 160×90
 - Aspect ratio: 4:3/16:9/2.35:1/1:1
 - Encoding bit-rate: 0.1Mb/s - 25Mb/s
 - H.264 HD suggested bit-rate: 6 Mb/s - 12Mb/s
 - H.264 SD suggested bit-rate: 1.5Mb/s - 3Mb/s
 - Bit-rate control: CBR/VBR/Capped-VBR
 - Preprocessing: DE-INTERLACING, noise reduction, sharpen
 - **Output resolution and frame rate:**
 - HD:**
 - 1920×1080 60i/59.94i/50i/30p/29.97p/25p/24p/23.97p
 - 1280×720 60p/59.94p/50p
 - SD:**
 - 720×576 50i, 720×480 60i/59.94i
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- MP2, AAC-LC, HE-AAC v1, HE-AAC v2, Dolby Digital Professional
 - Sampling frequency: 48kHz/44.1kHz/32kHz
 - Sample size: 24-bit
 - Encoding bit-rate: 32kb/s