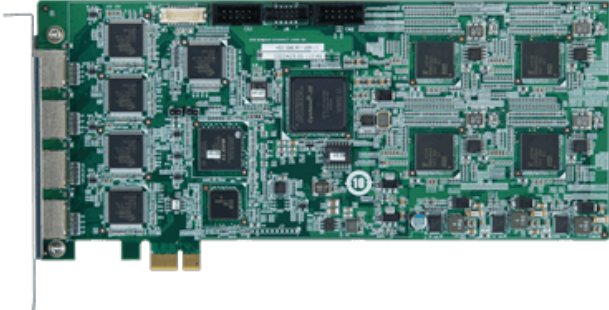


HDC-304E

PCI Express Video/Audio Capture Card with Four Channel HDMI™ Inputs and One Channel HDMI™ Output, 1920x1080@60p, and H.264 Hardware Codec



Features

- » 4-channel HDMI™ input with H.264 hardware compression and 1-channel HDMI™ output
- » High quality video encoding or decoding up to 1080p60
- » HDMI™ output port supports playback video file captured by HDC-30X series cards
- » Enables the system to support up to 8-channel input by adding multiple video capture cards. The HDC-304E installed in IEI systems and backplanes could support over 8 channel inputs under Linux environment (supported capability may vary depending on customers' needs).
- » Low Power Consumption
- » SDK available for customer to create customized applications
- » Windows/Linux OS supported

Specifications

| | |
|-----------------------|---|
| Appearance | |
| Dimension | 230 mm x 116 mm |
| Audio Processing | |
| Audio Compression | MPEG-1 Audio Layer 2 |
| Recording Data rate | 256k |
| Capture Interface | |
| Audio Input | 4 x Audio Input-HDMI™ 4 x Audio Input Channel |
| Audio Output | 1 x Audio Output-HDMI™(support decode file or HDMI™ bypass output) 1 x Audio Output Channel |
| Interface Type | 1 x PCIe x 1 |
| Video Input | 4 x Video Input Channel 4 x Video Input-HDMI™ |
| Video Output | 1 x Video Output-HDMI™(support decode file or HDMI™ bypass output) 1 x Video Output Channel |
| Environment | |
| Operating Temperature | 0°C ~ 65°C, non-condensing |
| Functionality | |
| Multiple Card Support | 2 cards, 8 channels |
| Others | |
| Power Consumption | 12.7W (12V@0.61A, 3.3V@1.63A) |
| Software Support | |
| SDK | 1 x Linux 1 x Windows |
| OS Support | 1 x Microsoft Windows 7 32-bit 1 x Microsoft Windows 7 64-bit 1 x Linux Ubuntu(16.04 (64-bit) (Kernel version: 4.4.0-21-generic)) |
| System Requirement | |
| CPU | x86 PC compatible computer, Intel® Pentium® 4 2.0GHz or above for video record |

| | |
|-------------------------|--|
| Memory | 1GB or more |
| Graphic Card | Recommends using a DXVA or CUDA capable graphics card for real-time video playback |
| Video Processing | |
| Recording Data rate | 2-30 Mbps |
| Recording Formats | 1920 x 1080 60p / 59.94p / 50p |
| | 1920 x 1080 60i / 59.94i / 50i |
| | 1280 x 720 60p / 59.94p / 50p |
| | 720 x 480 60i / 59.94i |
| | 720 x 576 50i |
| Video Compression | 1 x Hardware Encoder(H.264/AVC High Profile Level 4.2) |
| Video Input Resolution | 1920 x 1080 60p / 59.94p / 50p |
| | 1920 x 1080 60i / 59.94i / 50i |
| | 1280 x 720 60p / 59.94p / 50p |
| | 720 x 480 60i / 59.94i |
| | 720 x 576 50i |

Ordering Information

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|--------------|--|
| HDC-304E-R11 | PCI express video/audio capture card with four HDMI™ input channels, 1920x1080@60p, and Hardware H.264 codec (H56) |
|--------------|--|

Packing List

| | |
|---------------------------|----------------------|
| 1 x HDC-304E capture card | 1 x HDMI™ output kit |
| 1 x QIG | |