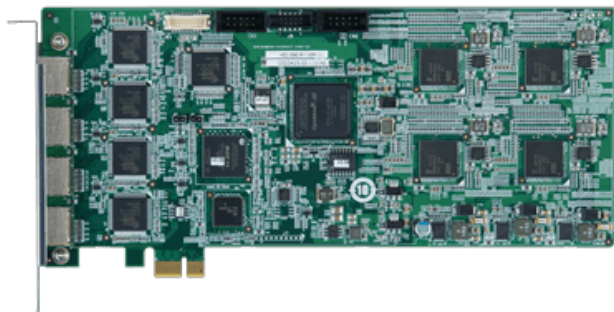


# HDC-304E

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

|              |                                                                                                                  |
|--------------|------------------------------------------------------------------------------------------------------------------|
| 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                   |                      |