

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 Channel 4 x Audio Input-HDMI™
Audio Output	1 x Audio Output Channel 1 x Audio Output-HDMI™ (support decode file or HDMI™ bypass output)
Interface Type	1 x PCIe x1
Video Input	4 x Video Input Channel 4 x Video Input-HDMI™
Video Output	1 x Video Output Channel 1 x Video Output-HDMI™ (support decode file or HDMI™ bypass output)
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 Compatible	1 x Linux Ubuntu (16.04 (64-bit) (Kernel version: 4.4.0-21-generic)) 1 x Microsoft Windows 7 32-bit 1 x Microsoft Windows 7 64-bit
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)
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Packing List

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