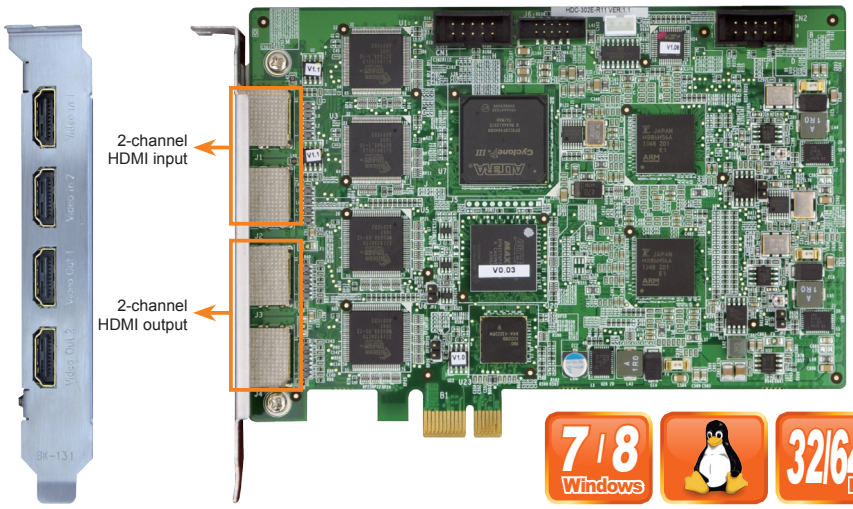
HDC-302E

PCI Express video/audio capture card with two HDMI input channels and two HDMI output channels, 1920x1080@60p, and H.264 Hardware Codec

H.264 Hardware Codec

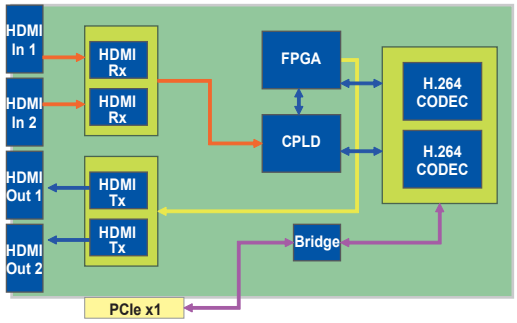




Features

- Compatible with Windows XP, Windows 8, Windows 7 and Linux
- Equipped with two HDMI input ports
- Encoding or decoding up to 1080p HD video
- Pass through for transmitting uncompressed video up to 1080p resolution
- Captures or records HD video in H.264 format
- Playbacks the recordings on HDMI display
- SDK available for customer to create customized applications

System Block



Specifications

◆ Interface

Video Input	2 channels
Video Input Type	HDMI
Audio Input	2 channels
Audio Input Type	HDMI
Video Output	2 channels
Video Output Type	HDMI
Audio Output	2 channels
Audio Output Type	HDMI
Bus Interface	PCIe x1
Loop Through	2 channels

◆ Video Processing

Video Compression	H.264/AVC High Profile Level 4.2
Input Resolution & Frame Rate	1920 x 1080 x 60p / 59.94p / 50p 1920 x 1080 x 60i / 59.94i / 50i 1280 x 720 x 60p / 59.94p / 50p 720 x 480 x 60i /59.94i 720 x 576 x 50i
Record Resolution / Frame Rate / Bit Rate	1920 x 1080 x 60p / 59.94p / 50p, encoding video bit rate from 6Mbps to 20Mbps 1920 x 1080 x 60i / 59.94i / 50i, encoding video bit rate from 6Mbps to 20Mbps 1280 x 720 x 60p / 59.94p / 50p, encoding video bit rate from 4Mbps to 20Mbps 720 x 480 x 60i / 59.94i, encoding video bit rate from 2Mbps to 10Mbps 720 x 576 x 50i, encoding video bit rate from 2Mbps to 10Mbps

◆ Functionality

Multiple Card Support	4 cards, 8 channels

◆ Audio Processing

Audio Compression	MPEG-1 Audio Layer 2
Bit Rate	256k

◆ System Requirement

System	x86 PC compatible computer, Intel® Pentium® 4 2.0GHz or above for video record Recommends using a DXVA or CUDA capable graphics card for real-time video playback
Memory	1GB or more
OS Environment	Microsoft® Windows® XP Service Pack 2 (SP2) (32-bit version) Microsoft® DirectX 9.0c (32-bit) Microsoft® .NET Framework 2.0 (32-bit version) Linux Fedora 17 Kernel 3.3.4-5 (32-bit/64-bit) Microsoft Windows 7 (32-bit/64-bit) Microsoft Windows 8 (32-bit/64-bit)

◆ Software Support

Device Driver	Compatible with Windows XP, Windows 8, Windows 7, Linux Fedora 17 Kernel 3.3.4-5
SDK	Windows®: Provides SDK and demo program with sample source code in C# Linux: Provides SDK and driver/demo program with sample source code in C

◆ Others

Dimensions	155 mm x 98.6 mm
Operating Temperature	0°C ~ 65°C, non-condensing
Power Consumption	9.53W (12V@0.46A, 3.3V@1.21A)

Packing List

- 1 x HDC-302E
- 1 x Utility CD
- 1 x QIG

Ordering Information

Part No.	Description
HDC-302E-R11	PCI Express video/audio capture card with two HDMI input channels and two HDMI output channels, 1920x1080@60p, and H.264 Hardware Codec