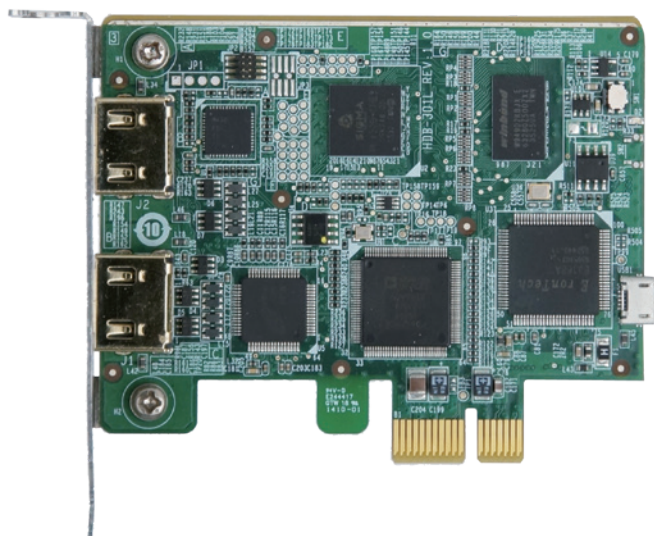


HDC-301EL

PCI Express Video/Audio Capture Card with One Channel HDMI Input and One Channel HDMI Bypass Output, 1920x1080@30p, and H.264 Hardware Encoder



Features

- 1-channel HDMI input with H.264 hardware compression and 1-channel HDMI bypass output
- High quality video recording up to 1080p30
- HDMI bypass output supports low-delay video pass through up to 1080p60, so you can watch video while recording
- Provides DirectShow filter
- Low power consumption
- Low-Profile PCIe card
- Windows/Linux OS supported

Specifications

◆ Interface

| | | |
|-----------------------|----------------------|----------------------|
| Input | Video input channel | 1 channel |
| | Video input type | HDMI |
| | Audio input channel | 1 channel |
| | Audio input type | HDMI (stereo) |
| No Delay Pass Through | Video output channel | 1 channel (1080p 60) |
| | Video output type | HDMI |
| | Audio output channel | 1 channel |
| | Audio output type | HDMI (stereo) |

◆ PC Interface

| | |
|------|---------|
| Type | PCIe x1 |
|------|---------|

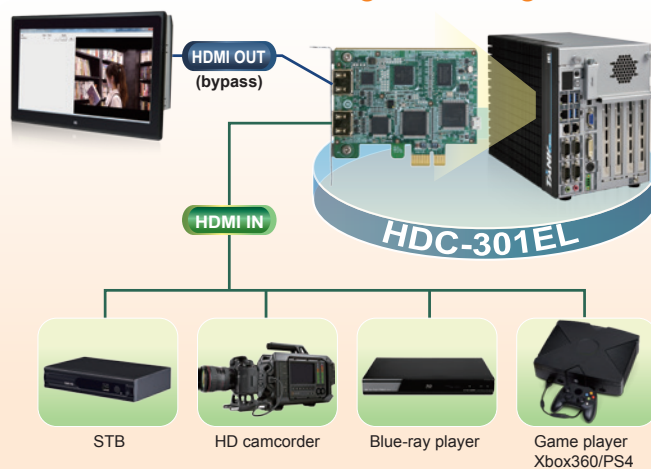
◆ Video Processing

| | | |
|------------------------|---|---|
| Hardware Encoder | H.264/AVC High Profile Level 4.1 | |
| Recording Datarate | Up to 30Mbps | |
| Video Input Resolution | 1920 x 1080 24p/25p/30p/50p/60p 1920 x 1080 60i/59.94i/50i | 1280 x 1024 30p 1280 x 768 60p 1024 x 768 60p 720 x 576 50p 640 x 480 60p |
| | 1280 x 800 60p 1280 x 720 50p/60p 800 x 600 60p 720 x 480 60p | 1280 x 1024 30p 1280 x 768 60p 1024 x 768 60p 720 x 576 50p 640 x 480 60p |
| Recording Formats | 1920 x 1080 24p/25p/30p 1280 x 800 60p 1280 x 720 50p/60p 800 x 600 60p 720 x 480 60p | 1280 x 1024 30p 1280 x 768 60p 1024 x 768 60p 720 x 576 50p 640 x 480 60p |
| | 1280 x 800 60p 1280 x 720 50p/60p 800 x 600 60p 720 x 480 60p | 1280 x 1024 30p 1280 x 768 60p 1024 x 768 60p 720 x 576 50p 640 x 480 60p |

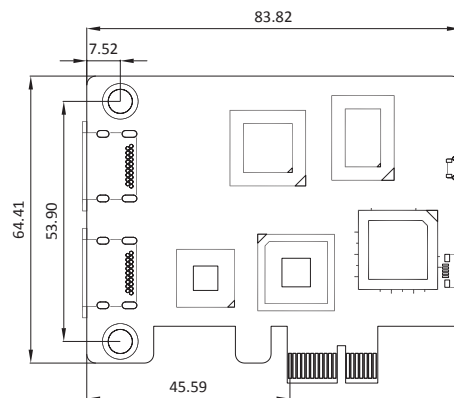
◆ Audio Processing

| | |
|----------------------------|---------------|
| Audio Sampling Frequencies | 44.1k, 48k Hz |
| Audio Compression | MPEG4-AAC |
| Recording Datarate | 128kbps |

H.264 Hardware Encoder Video Recording/Streaming



Dimensions (Unit: mm)



◆ System Requirement

| | |
|--------|-----------------------------------|
| System | Intel® Core™2 Duo 2.4GHz or above |
| Memory | 2GB or more |

◆ Software Support

| | |
|------------|--|
| OS support | Microsoft Windows 7/8.1/10 (32-bit & 64-bit) Linux: Ubuntu 16.04 (64-bit) (Kernel version: 4.4.0-21-generic) |
| SDK | Windows: Provides SDK and demo program with sample source code Linux: Provides SDK and demo program with sample source code |

◆ Functionality

| | |
|-----------------------|--------------------------------|
| Multiple Card Support | 4 cards, 4 channels |
| Scaling | Video scaling down compression |

◆ Others

| | |
|-----------------------|--|
| Dimensions | 83.82 mm x 64.41 mm |
| Operating Temperature | 0°C ~ 60°C (32° ~ 140°F), non-condensing |
| Power Consumption | 4.5W |

Packing List

| |
|---------------|
| 1 x HDC-301EL |
| 1 x QIG |

Ordering Information

| Part No. | Description |
|---------------|--|
| HDC-301EL-R10 | PCI Express video/audio capture card with one channel HDMI input and one channel HDMI bypass output, 1920x1080@30p, and H.264 hardware encoder |