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Interface

**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***

***H.264 Hardware Encoder***

**Video Recording/Streaming**

**HDMI OUT**

**(bypass)**

**HDMI IN**

STB

HD camcorder

Blue-ray player

Game player Xbox360/PS4

***7/8.1/10***

***32/64***Bit

H.264

***Dimensions (Unit: mm)***

83.82

Windows

***Features***

MPEG-4/AVC

7.52

* 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***

 45.59

|  |  |  |
| --- | --- | --- |
| 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 Video Processing

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

|  |  |
| --- | --- |
| 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/60p1920 x 1080 60i/59.94i/50i 1280 x 1024 30p1280 x 800 60p 1280 x 768 60p1280 x 720 50p/60p 1024 x 768 60p800 x 600 60p 720 x 576 50p720 x 480 60p 640 x 480 60p |
| Recording Formats | 1920 x 1080 24p/25p/30p 1280 x 1024 30p1280 x 800 60p 1280 x 768 60p1280 x 720 50p/60p 1024 x 768 60p800 x 600 60p 720 x 576 50p720 x 480 60p 640 x 480 60p |

Audio Processing

System Requirement

64.41

53.90

|  |  |
| --- | --- |
| 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 samplesource codeLinux: 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***

HDC-301EL-2018-V10

***Video Capture Solutions***

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

|  |  |
| --- | --- |
| 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 hareware encoder |