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**HDC-301E**

***PCI Express Video/Audio Capture Card with One Channel HDMI Input and One Channel HDMI Output, 1920x1080@60p, and H.264 Hardware Codec***

***H.264 Hardware Codec***

1-channel HDMI output

1-channel HDMI input

***7 32***

H.264

# *Features*

Windows

Bit MPEG-4/AVC

* 1-channel HDMI input with H.264 hardware compression and 1-channel HDMI output

PCIe Bus

* High quality video encoding or decoding up to 1080p60
* HDMI output port supports low-delay video pass through up to 1080p60, so you can check video while recording
* HDMI output port supports playback video file captured by HDC-30X

series cards

* Low power consumption
* SDK available for customer to create customized applications
* Windows/Linux OS supported

# *System Block*

***Specifications***

**HDMI**

**In**

**HDMI**

**out**

**HDMI**

**Rx**

**H.264 CODEC**

**HDMI**

**Tx**

**PCIe x1**

**Bridge**

Interface

|  |  |
| --- | --- |
| Video Input | 1 channel |
| Video Input type | HDMI |
| Audio Input | 1 channel |
| Audio Input Type | HDMI |
| Video Output | 1 channel |
| Video Output Type | HDMI |
| Audio Output | 1 channel |
| Audio Output Type | HDMI |
| Bus Interface | PCIe x1 |
| Loop Through | 1 channel |

Video Processing

|  |  |
| --- | --- |
| Video Compression | H.264/AVC High Profile Level 4.2 |
| Input Resolution & Frame Rate | 1920 x 1080 x 60p / 59.94p / 50p 720 x 480 x 60i / 59.94i1920 x 1080 x 60i / 59.94i / 50i 720 x 576 x 50i1280 x 720 x 60p / 59.94p / 50p |
| Record Resolution / Frame Rate / Bit Rate | 1920 x 1080 x 60p / 59.94p / 50p, encoding video -bit rate from 6Mbps to 20Mbps1920 x 1080 x 60i / 59.94i / 50i, encoding video -bit rate from 6Mbps to 20Mbps1280 x 720 x 60p / 59.94p / 50p, encoding video -bit rate from 4Mbps to 20Mbps720 x 480 x 60i / 59.94i, encoding video -bit rate from 2Mbps to 10Mbps720 x 576 x 50i, encoding video -bit rate from 2Mbps to10Mbps |

# *Packing List*

Functionality Audio Processing

System Requirement

|  |  |
| --- | --- |
| Multiple Card Support | No |

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

|  |  |
| --- | --- |
| System | x86 PC compatible computer, Intel® Pentium® 4 2.0GHz or above for video recordRecommends using a DXVA or CUDA capable graphics cardfor real-time video playback |
| Memory | 1GB or more |

Software Support

|  |  |
| --- | --- |
| OS Support | Microsoft Windows 7 32-bitLinux: Ubuntu 16.04 (64-bit) Kernel version: 4.4.0-21 x64 |
| SDK | Windows: Provides SDK and demo program with samplesource codeLinux: Provides SDK and demo program with sample source code |

Others

|  |  |
| --- | --- |
| Dimensions | 168 mm x 69 mm |
| Operating Temperature | 0°C ~ 65°C, non-condensing |
| Power Consumption | 6.07 W (12V@0.3A, 3.3V@0.72A) |

# *Ordering Information*

|  |  |
| --- | --- |
| Part No. | Description |
| HDC-301E-R10 | PCI Express video/audio capture card with one channel HDMI input and one channel HDMI output, 1920x1080@60p, andH.264 hardware codec |

HDC-301E-2018-V11

***Video Capture Solutions***

|  |
| --- |
| 1 x HDC-301E |
| 1 x Full size bracket |
| 1 x QIG |