**HDB-301R**

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***USB 3.1 Gen 1 (5Gb/s) Uncompressed Video/Audio Capture Box with One Channel HDMI Input and One Channel HDMI Bypass Output, 1920x1080@60p***

**Machine Vision/Broadcast & Post Production**

**USB 3.0**

**HDMI OUT**

**(bypass)**

**HDMI IN**

STB

HD camcorder

Blue-ray player

Game player Xbox360/PS4

HDMI Out

***32/64***Bit

***7/8.1/10***

Windows

# *Features*

HDMI In

USB 3.1 Gen 1 (5Gb/s)

 

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



* 1-channel HDMI input and 1-channel HDMI bypass output

***USB 3.1***

* Capture High-Definition HDMI video to your PC
* Capture with USB 3.1 Gen 1 (5Gb/s) bandwidth, enabling you to capture 1080p video at 60fps
* Deliver uncompressed video to your PC with ultra-low latency
* Preview the video with its original color and high video quality
* For audio mastering 48kHz audio, provides the power you need to integrate into any audio environment
* Compatible with OBS, XSplit, PotPlayer
* Support Windows/Linux (Ubuntu)/MAC OS

# *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 |
| Video output type | HDMI |
| Audio output channel | 1 channel |
| Audio output type | HDMI (stereo) |

PC Interface Video Processing

|  |  |
| --- | --- |
| Type | USB 3.1 Gen 1 (5Gb/s) |

|  |  |
| --- | --- |
| Color Space | YUV 4:2:2 |
| Video Input Resolution | 1920 x 1080 24p/25p/30p/50p/59.54p/60p1680 x 1050 30p/60p 1280 x 720 30p/50p/59.94p/60p1440 x 900 30p/60p 1024 x 768 30p/60p1360 x 768 30p/60p 800 x 600 60p1280 x 1024 30p/60p 720 x 576 50p1280 x 800 30p/60p 720 x 480 59.94p/60p1280 x 768 30p/60p 640 x 480 60p |
| Video Preview | 1920 x 1080 24p/25p/30p/50p/59.54p/60p1680 x 1050 30p/60p 1280 x 720 30p/50p/59.94p/60p1440 x 900 30p/60p 1024 x 768 30p/60p1360 x 768 30p/60p 800 x 600 60p1280 x 1024 30p/60p 720 x 576 50p1280 x 800 30p/60p 720 x 480 59.94p/60p1280 x 768 30p/60p 640 x 480 60p |

Audio Processing

## 18 105

Preview System Requirement

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|  |  |
| --- | --- |
| System | Intel® Core™ i5-3400 or above |
| Memory | 4GB or more |

Software Support

|  |  |
| --- | --- |
| OS Support | Microsoft windows 7/ 8.1/10 (32-bit & 64-bit) Linux: Ubntu 14.04.2 (64-bit) (Kernel version: 3.16.0-30-generic)macOS High Sierra (version 10.13) Operating System that support UVC |
| SDK | Windows: Provides SDK and demo program with sample source codeLinux: Provides SDK and demo program with sample source code |

Others

|  |  |
| --- | --- |
| Dimensions | 105 mm x 58 mm x 18 mm |
| Operating Temperature | 0°C ~ 60°C (32° ~ 140°F), non-condensing |
| Power Consumption | 4W |
| Weight | 112g |

# *Packing List*

1 x QIG

1 x USB 3.1 Gen 1 (5Gb/s) cable

1 x HDB-301R

***Ordering Information***

|  |  |
| --- | --- |
| Part No. | Description |
| HDB-301R-R10 | USB 3.1 Gen 1 (5Gb/s) Uncompressed video/audio capture box with one channel HDMI input and one channel HDMI bypass output,1920x1080@60p |

HDB-301R-2019-V10

***Video Capture Solutions***

|  |  |
| --- | --- |
| Audio Sampling Frequencies | 44.1k, 48k Hz |