

HDB-301R

USB 3.0 Uncompressed Video/Audio Capture Box with One Channel HDMI Input and One Channel HDMI Bypass Output, 1920x1080@60p



Features

- 1-channel HDMI input and 1-channel HDMI bypass output
- Supports for 4:2:2 color spaces to provide the highest quality for your images
- HDMI bypass output supports video no delay pass through up to 1080p60, so you can watch original video while video processing
- Designed for professional video, machine vision, broadcast & post production industries
- For audio mastering, 24-bit 48kHz audio provides the power you need to integrate into any audio environment
- Supports DirectShow AP (VLC or AMcap)
- 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 |
| | Video output type | HDMI |
| | Audio output channel | 1 channel |
| | Audio output type | HDMI (stereo) |

PC Interface

| | |
|------|---------|
| Type | USB 3.0 |
|------|---------|

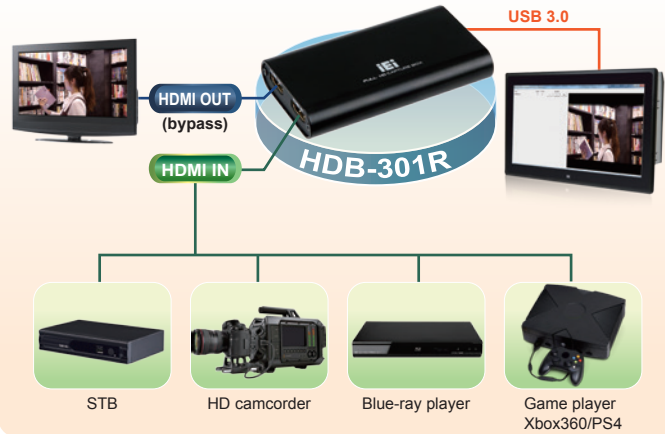
Video Processing

| | | |
|------------------------|--|-------------------------------|
| Color Space | YUV 4:2:2 | |
| Video Input Resolution | 1920 x 1080 24p/25p/30p/50p/59.94p/60p | |
| | 1920 x 1080 50i/59.94i/60i | |
| | 1680 x 1050 30p/60p | 1280 x 720 30p/50p/59.94p/60p |
| | 1440 x 900 30p/60p | 1024 x 768 30p/60p |
| | 1360 x 768 30p/60p | 800 x 600 60p |
| | 1280 x 1024 30p/60p | 720 x 576 50i/50p |
| | 1280 x 800 30p/60p | 720 x 480 60i/59.94p/60p |
| | 1280 x 768 30p/60p | 640 x 480 60p |
| Video Preview | 1920 x 1080 24p/25p/30p/50p/59.94p/60p | |
| | 1920 x 1080 50i/59.94i/60i | |
| | 1680 x 1050 30p/60p | 1280 x 720 30p/50p/59.94p/60p |
| | 1440 x 900 30p/60p | 1024 x 768 30p/60p |
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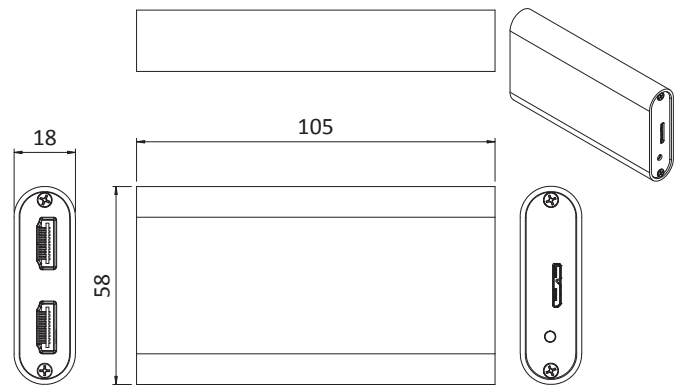
Audio Processing

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

Machine Vision/Broadcast & Post Production



Dimensions (Unit: mm)



System Requirement

| | |
|--------|-------------------------------|
| 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: Ubuntu 14.04.2 (64-bit) (Kernel version: 3.16.0-30-generic) Operating System that support UVC |
| SDK | Windows: Provides SDK and demo program with sample source code Linux: 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 HDB-301R | |
| 1 x USB 3.0 cable | 1 x QIG |

Ordering Information

| Part No. | Description |
|--------------|--|
| HDB-301R-R10 | USB 3.0 Uncompressed video/audio capture box with one channel HDMI input and one channel HDMI bypass output, 1920x1080@60p |