

# 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 Software
- » Windows/Linux/Mac OS supported

## Specifications

|                            |   |
|----------------------------|---|
| Appearance                 |   |
| Dimension                  | 105 mm x 58 mm x 18 mm  |
| Audio Processing           |   |
| Audio Sampling Frequencies | 44.1k, 48k Hz   |
| Capture Interface          |   |
| Audio Input                | 1 x Audio Input Channel<br>1 x Audio Input-HDMI™(stereo)  |
| Interface Type             | 1 x USB3.0  |
| No Delay Passthrough       | 1 x Audio Output Channel<br>1 x Video Output Channel<br>1 x Video Output-HDMI™<br>1 x Audio Output-HDMI™(stereo)  |
| Video Input                | 1 x Video Input Channel<br>1 x Video Input-HDMI™  |
| Environment                |   |
| Operating Temperature      | 0°C ~ 60°C (32° ~ 140°F), non-condensing  |
| Others                     |   |
| Power Consumption          | 4W  |
| Software Support           |   |
| SDK                        | 1 x Linux<br>1 x Windows  |
| OS Support                 | Operating System(support UVC)<br>1 x Linux Ubuntu(14.04.2 (64-bit ) (Kernel version: 3.16.0-30-generic))<br>1 x Microsoft Windows 10 32-bit<br>1 x Microsoft Windows 7 32-bit<br>1 x Microsoft Windows 7 64-bit<br>1 x Microsoft Windows 8.1 32-bit<br>1 x Microsoft Windows 8.1 64-bit<br>1 x Microsoft Windows 10 64-bit<br>1 x macOS(High Sierra 10.13 or above) |
| System Requirement         |   |

|                        |  |
|------------------------|--|
| CPU                    | Intel® Core™ i5-3400 or above          |
| Memory                 | 4GB or more                            |
| Video Processing       |  |
| Color Space            | YUV 4:2:2                              |
| Video Compression      | 1 x Software Compression               |
| Video Input Resolution | 1920 x 1080 24p/25p/30p/50p/59.54p/60p |
|                        | 1680 x 1050 30p/60p                    |
|                        | 1440 x 900 30p/60p                     |
|                        | 1360 x 768 30p/60p                     |
|                        | 1280 x 1024 30p/60p                    |
|                        | 1280 x 800 30p/60p                     |
|                        | 1280 x 768 30p/60p                     |
|                        | 1280 x 720 30p/50p/59.94p/60p          |
|                        | 1024 x 768 30p/60p                     |
|                        | 800 x 600 60p                          |
|                        | 720 x 576 50p                          |
|                        | 720 x 480 59.94p/60p                   |
|                        | 640 x 480 60p                          |
| Video Preview          | 1920 x 1080 24p/25p/30p/50p/59.54p/60p |
|                        | 1680 x 1050 30p/60p                    |
|                        | 1440 x 900 30p/60p                     |
|                        | 1360 x 768 30p/60p                     |
|                        | 1280 x 1024 30p/60p                    |
|                        | 1280 x 800 30p/60p                     |
|                        | 1280 x 768 30p/60p                     |
|                        | 1280 x 720 30p/50p/59.94p/60p          |
|                        | 1024 x 768 30p/60p                     |
|                        | 800 x 600 60p                          |
|                        | 720 x 576 50p                          |
|                        | 720 x 480 59.94p/60p                   |
|                        | 640 x 480 60p                          |

## Ordering Information

|              |   |
|--------------|---|
| HDB-301R-R10 | USB 3.0 uncompressed video/audio capture box with one HDMI™ input channel and one HDMI™ output channel, 1920x1080@60p |
|--------------|---|

## Packing List

|              |                   |
|--------------|-------------------|
| 1 x HDB-301R | 1 x USB 3.0 cable |
| 1 x QIG      |                   |