

HDB-301R USB 3.0 Capture Box

Plug & Play! Never Missing a Moment!



1080P60 High Resolution & Ultra-Low Latency

Every precious moment is captured by high definition 1080p resolution in 60 frames per second for you to enjoy high-speed and ultra-low latency video streaming.

The uncompressed video transferred from different HDMI devices (as consoles, camera...) could be real-time edited while maintaining the best possible quality and primitive color saturation. Get rid of unnatural, delay, cumbersome!



Compatible Software Tool

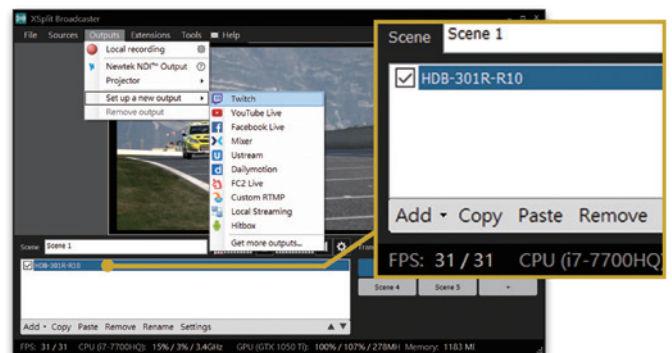
IEI HDB-301R is compatible with various live streaming software with DirectShow architecture, such as OBS, XSplit, PotPlayer, Wirecast, VLC media player, Skype, etc. You can use the software tools you are familiar with to play video games, watch HDMI while editing, recording, and streaming.



OBS



XSplit



Continuous Video Streaming



Continuously Work

IEI HDB-301R housing is made by ruggedized aluminum with excellent hot dissipation! One of the youtubers has done an 8-hour continuous steaming and enjoyed ultra-low latency without stop!

Best Applications



Game Streaming



Signage Streaming



Auction Streaming



Enterprise Training Streaming

Perfect for Popular HDMI Video Devices



PC

Desktop PC or notebook,
HDMI video output.



Game Consoles

PS4, Xbox One,
Nintendo Switch.



Set-top Box

Apple TV, MOD, paid TV
channels STB, satellite TV.



Player

DVD player, Blu-ray player
or audio and video player,
as Miracast wireless
transmitter.



Photo Equipment

SLR Camera or Camera,
as SONY.

** Please be noted: It can be set as
HDMI 1080P output on the device.*

HDB-301R Installation

Installation 1: Capture Various HDMI Video Sources



Installation 2: Capture Screen from HDMI Extended Desktop



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
- Capture High-Definition HDMI video to your PC
- Capture with USB 3.0 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

Type	USB 3.0
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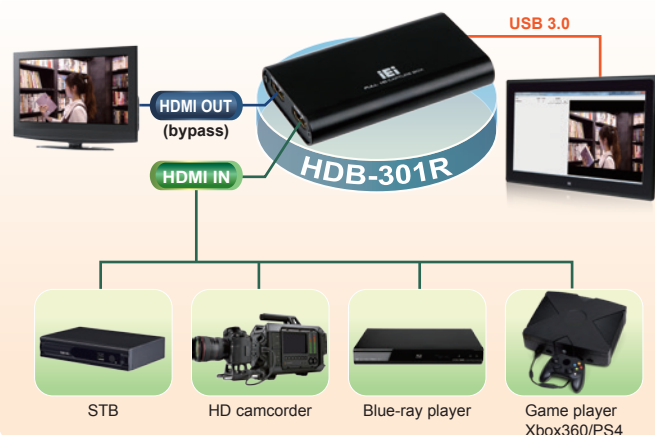
◆ Video Processing

Color Space	YUV 4:2:2	
Video Input Resolution	1920 x 1080 24p/25p/30p/50p/59.54p/60p	
	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 50p
	1280 x 800 30p/60p	720 x 480 59.94p/60p
	1280 x 768 30p/60p	640 x 480 60p
Video Preview	1920 x 1080 24p/25p/30p/50p/59.54p/60p	
	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 50p
	1280 x 800 30p/60p	720 x 480 59.94p/60p
	1280 x 768 30p/60p	640 x 480 60p

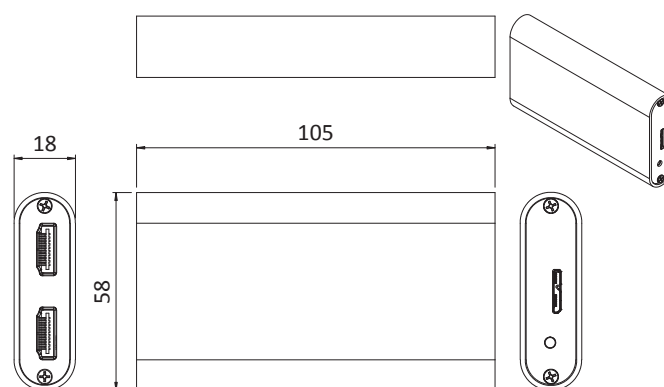
◆ Audio Processing

Audio Sampling Frequencies	44.1k, 48k Hz
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Machine Vision/Broadcast & Post Production



Dimensions (Unit: mm)



◆ Preview 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) macOS High Sierra (version 10.13) 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

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

IEI:

[HDB-301R-R10](#)