



Quick Installation Guide

Version 2.0



HDB-301R Video Capture Box

Package Content



HDB-301R package includes the following items:

- ✓ 1 x HDB-301R full HD capture box
- ✓ 1 x USB 3.0 Type-C™ cable
- ✓ 1 x Quick installation guide

DECLARATION OF CONFORMITY

This equipment has been tested and found to comply with specifications for CE marking. If the user modifies and/or installs other devices in the equipment, the CE conformity declaration may no longer apply.

FCC WARNING

This equipment complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

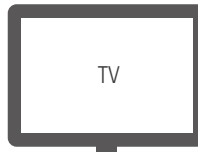
- This device may not cause harmful interference, and
- This device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.



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Step 2

HDMI OUT

HDMI IN

Step 1

Game consoles



Set-top Box



Camera



DVD

Step 1. Connect HDMI devices to the HDMI IN of the HDB-301R

Step 2. Connect HDMI display device to the HDMI OUT of the HDB-301R

Step 3. Connect the HDB-301R to a computer via USB 3.0 (Type-C™) cable

Step 4. Execute 3rd party DirectShow compliant software



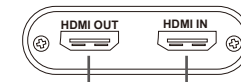
Live Streaming



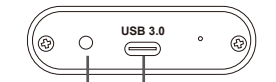
Step 3

Step 4

Execute Streaming Software



HDMI Output HDMI Input



Power Indicator USB 3.0 (Type-C™)

HDB-301R Specifications

HDMI INPUT	
Input Channel	One
Audio Input Channel	HDMI embedded audio, 2 channels
Audio Sampling Frequencies	16-bit 32/44.1/48/96/192 KHz
Supported Resolution	1920 x 1080 24p/25p/30p/50p/59.94p/60p
	1280 x 720 50p/59.94p/60p
	1680 x 1050 60p
	1024 x 768 60p
	800 x 600 60p
*Does not support interlace video format	1360 x 768 60p
	720 x 576 50p
	1280 x 1024 60p
	720 x 480 59.94p/60p
	1280 x 800 60p
	640 x 480 60p
HDMI OUTPUT (PASSTHROUGH)	
Specifications	Same as HDMI INPUT listed above
VIDEO CAPTURE	
Interface	USB 3.0 Type-C™
Output color space	YUV 4:2:2
USB Device Class	UVC and UAC compliant device, no driver required
Audio Output	2 channels (16-bit 48 kHz)
SYSTEM REQUIREMENTS	
OS Environment	Windows: 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 10.13 or above
Processor	3rd generation Intel® Core™ i5 CPU, 2.3GHz or above
Memory	8 GB RAM
Host Interface	USB 3.0 port (Type-A)
SOFTWARE SUPPORT	
SDK	SDK provided with demo program for Windows systems
OTHERS	
Dimensions	105 mm x 58 mm x 18 mm (4.13" x 2.28" x 0.71")
Weight	112 g (3.95 oz)
Operating Temperature	0°C ~ 60°C (32°F ~ 140°F), non-condensing
Power Consumption	4 W (5V, 800mA)

Frequently Asked Questions (FAQ)

Q: How to obtain the latest drivers?

A: The HDB-301R is a UVC and UAC compliant device. You do not need to install device driver.

Q: How to obtain the latest AP, SDK and sample code?

A: Please go to IEI website: <https://download.ieiworld.com/>. Search for HDB-301R. For AP, find and download the latest AP (HDB-301R_Vxxx_AS_*.exe) listed in the Utility section. Execute the file and install IEI HDB-301R AP. The HDB-301R SDK will be installed simultaneously during the AP installation. The AP, SDK and sample code are in the folder which you specify when installing the AP. The default path is C:\Program Files\HDB-301R-Vxxx-AS.

Q: The HDB-301R does not show up during preview in 3rd party software.

A: 1. Check if the video is being displayed in the monitor connected to the HDMI output of the HDB-301R.
2. Close the 3rd party software and execute IEI HDB-301R software or AMcap to see if video is captured and displayed.
3. If video is not shown in step 2, please re-plug in HDMI and USB 3.0 cable, and make sure the HDB-301R appears in the device manager.



IEI Support URL:

http://new.ieiworld.com/tw/online_support_form



Safety Instructions

- Warning! To prevent the system from overheating, do not operate it in an area that exceeds the maximum operating temperature described in the user manual.
- Warning! Ultimate disposal of this product should be handled according to all national laws and regulations.
- Recording HDCP-protected content is prohibited by law. Unauthorized screenshots or recording videos may infringe the rights of the copyright owner and violate the law.



使用安裝手冊

Version 2.0



HDB-301R 影像擷取盒

內容清單



HDB-301R 內容清單包括

- ✓ 1 x HDB-301R 多功能高清影音擷取盒
- ✓ 1 x USB 3.0 Type-C™ 傳輸線
- ✓ 1 x 快速安裝指南



符合性聲明

本設備經過測試並判定符合CE規範。如果使用者修改和/或安裝其他裝置至此設備，則CE符合性聲明將不適用。



FCC注意事項

本設備符合FCC條例第15節限制。操作時，請遵循下列兩項條件：

- 該設備不能造成傷害性的干擾，且
- 該設備必須接受任何接收到的干擾訊號，包括可能導致非預期操作的干擾。

本設備經過測試並判定符合A級數位設備限制，且遵照FCC條例第15節。該限制是為了提供合理保護，避免於商業環境操作時引起有害干擾而設計的使用條件。本產品會產生、使用並發射無線電頻率能量，若您未按指示來安裝與使用，可能會對無線電通訊造成有害干擾。於住宅操作此設備可能會造成有害干擾，若遇此情況使用者須自行修正此干擾。



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步驟二

HDMI OUT

HDMI IN

步驟一

遊戲主機

機上盒

攝影設備

撥放器

- 步驟一：將HDMI設備輸出端連接到 HDB-301R HDMI IN。
- 步驟二：將HDMI顯示器連接到HDB-301R HDMI OUT。
- 步驟三：使用USB3.0線材將HDB-301R連接到電腦/筆電。
- 步驟四：執行直播軟體（如：OBS，Xsplit，PotPlayer）

HDB-301R 規格表

HDMI 輸入	
輸入通道	1
聲音輸入通道	HDMI embedded audio, 2 channels
聲音取樣頻率	16-bit 32/44.1/48/96/192 KHz
支援解析度	1920 x 1080 24p/25p/30p/50p/59.94p/60p
	1280 x 720 50p/59.94p/60p
	1680 x 1050 60p
	1440 x 900 60p
	1024 x 768 60p
	800 x 600 60p
	720 x 576 50p
* 不支援 interlace 影像格式	1280 x 1024 60p
	720 x 480 59.94p/60p
	1280 x 800 60p
	640 x 480 60p
HDMI 輸出 (Loop-Through)	
規格	同 HDMI 輸入
影像擷取	
連接介面	USB 3.0 Type-C™
色彩取樣	YUV 4:2:2
聲音和影像	符合 UVC 和 UAC 標準 (無需驅動程式)
聲音輸出	2 channels (16-bit 48 kHz)
電腦系統需求	
作業系統	Windows: 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 10.13 or above
中央處理器	3rd generation Intel® Core i5 CPU, 2.3GHz or above
記憶體	8 GB RAM
連接埠	USB 3.0 port (Type-A)
軟體支援	
軟體開發套件 (SDK)	提供 Windows 開發套件
	其他
尺寸	105 mm x 58 mm x 18 mm (4.13" x 2.28" x 0.71")
重量	112 g (3.95 oz)
操作溫度	0°C ~ 60°C (32°F ~ 140°F), 未凝結
消耗功率	4 W (5V, 800mA)

常見問答 (FAQ)

Q: 如何下載最新版的驅動程式？

A: HDB-301R是符合UVC和UAC標準的設備，因此不需要安裝驅動程式。

Q: 如何下載最新版AP、SDK與程式範例碼？

A: 請至IEI線上資源網頁(<https://download.ieiworld.com/>)，搜尋HDB-301R。AP: 最新的AP(HDB-301R_Vxxx_AS_xxxx.exe)將列在Utility底下。下載後請安裝IEI HDB-301R AP，在安裝AP時會一併安裝HDB-301R SDK。AP、SDK、程式範例碼是儲存在你安裝AP時所指定的安裝路徑，預設的安裝路徑為：C:\Program Files\HDB-301R-Vxxx-AS。

Q: 在使用第三方軟體預覽時，沒有出現HDB-301R。

A: 1. 檢查播放影片的螢幕是否有正確連接到 HDB-301R 的 HDMI 輸出接口。
2. 關閉第三方軟體並執行 IEI HDB-301R 軟體或 AMcap 來檢視影片是否可順利被擷取及播放。
3. 如果在上述第二步驟中沒有出現影片，請再次插拔 HDMI 與 USB 3.0 連接線，並到裝置管理員中確認有看到HDB-301R 這個裝置。



IEI Support URL:
http://new.ieiworld.com/tw/online_support_form
客服電話: 02-26491110

! Safety Instructions

- 警告！為防止系統過熱，不要在超過使用手冊上記載的產品工作溫度範圍之外操作此系統。
- 警告！本產品的廢棄處理應根據該國家的法律和規章進行。
- 錄製受保護的 HDCP 影像為法律所禁止的行為，任何未經授權的截圖或錄影，皆可能侵犯版權所有者之權利且觸犯法律。



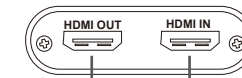
雲端直播



步驟三

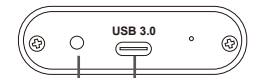
步驟四

執行直播軟體



HDMI 輸出

HDMI 輸入



電源指示燈 USB 3.0 (Type-C™)