

**gofanco<sup>®</sup>**

## **PRO-CaptureHD**

USB 3.0 Full HD Video Capture Device

### **User's Guide**



Congratulations for owning a gofanco product. Our products aim to meet all your connectivity needs wherever you go.

Have fun with our products!

Please read this manual carefully before first use.

If you need more information about our products, please visit [www.gofanco.com](http://www.gofanco.com).

For technical support, please email us at [support@gofanco.com](mailto:support@gofanco.com).

For drivers/manuals download, please go to <http://www.gofanco.com/download>.

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## 1. Introduction

The PRO-CaptureHD **USB 3.0 Full HD Video Capture Device** provides a professional way to capture HDMI video signals. It adopts USB 3.0 interface, which can realize high-speed transmission. Users can capture Full HD(1080p60) video by this capture device. Besides, PRO-CaptureHD can capture and display original uncompressed HDMI video with more realistic color rendition. PRO-CaptureHD also uses large volume image buffer technology which effectively avoids the video tearing. The high sampling rate and high sampling accuracy assure images with high sharpness, rich details, and less color edges.

## 2. Features

- HDMI video and audio streams over USB 3.0
- Supports UVC1.0
- Supports video resolution up to 1080p 60Hz
- Auto-detection on video format to ensure plug-play operations
- Recording Video Format: H.264 (Software Compression)
- Works on multiple operating system platforms (Windows 7/8.1/10, Mac and Linux OS)
- Compatible with most 3<sup>rd</sup> party software such as OBS Studio and AMCap
- Supports USB 3.0 (MJPG/YUY2) and USB 2.0 (MJPG)

- Low Latency
- System Requirements (Recommended)
  - Windows® 7(SP1) / Windows 8.1 / Windows 10
  - PC: Intel® Core™ i5-4440 3.10GHz + NVIDIA® GeForce® GTX 660 or higher
  - Laptop: Intel® Core i7-4810MQ + NVIDIA GeForce GTX 870M or higher
  - 4GB RAM or higher

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1. Video quality is influenced by the system's capability and software settings.
  2. Please use the included USB 3.0 cable to protect the device and avoid compatibility issues.

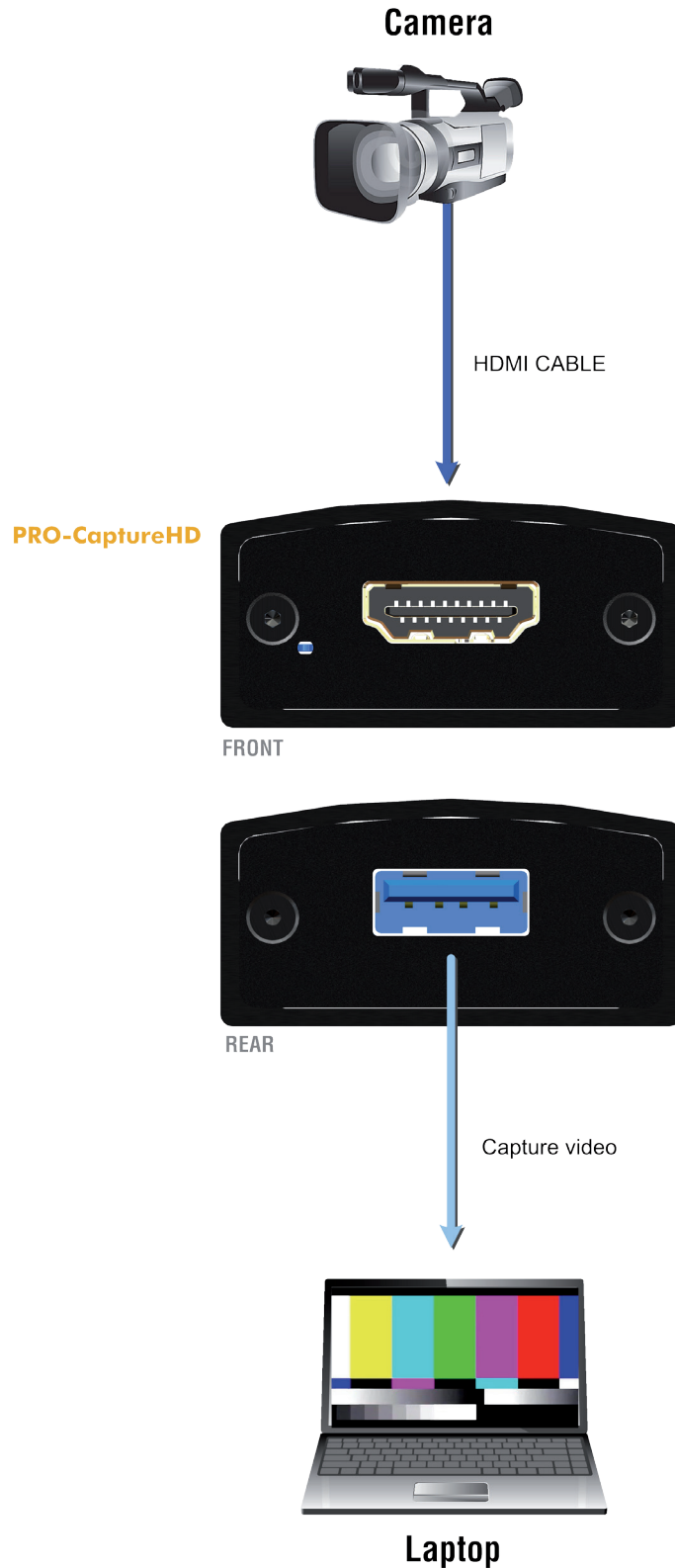
### 3. Package Contents

- 1x PRO-CaptureHD
- 1x USB 3.0 A to A Cable (host to device)
- 1x User Manual

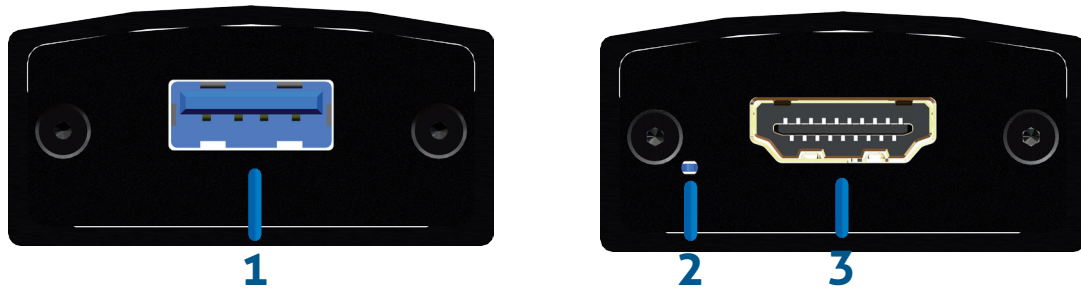
## 4. Specifications

Item	Description	
Role of usage	Video Capture Device	
Input Video bandwidth	150MHz	
Output Video bandwidth	Up to 350Mbps (USB)	
Video support	Up to 1080p60	
Audio Input	HDMI Embedded Audio	
Audio Format	2CH 16bit PCM	
Recording Mode	Software Compression	
Recording Video Format	YUY2 (USB3.0), MJPG (USB2.0/3.0)	
ESD protection	Human body model — $\pm 15\text{kV}$ [air-gap discharge] & $\pm 8\text{kV}$ [contact discharge]	
PCB stack-up	6-layer board [impedance control — differential 100 $\Omega$ ; single 50 $\Omega$ ]	
Firmware update	Feasible via USB port	
Input	1x HDMI	
Output	1x USB	
HDMI connector	Type A [19-pin female]	
USB connector	USB 3.0 Type A (SuperSpeed USB)	
Software compatibility (not complete list)	OBS Studio (Windows, Linux), AMCap (Windows), Potplayer (Windows), VLC (OS X, Linux), XSplit Boardcast (Windows), Skype (Windows, OS X), Zoom (Windows), Hangout (Windows), TeamViewer (Windows)	
OS Support	Windows 7 /8.1 /10, Mac and Linux OS	
<b>Mechanical</b>		
Housing	Metal enclosure	
Dimensions [L x D x H]	Model	74 x 38 x 19mm [3" x 1.5" x 0.7"]
	Package	165 x 111 x 42mm [6.4" x 4.4" x 1.7"]
	Carton	490 x 426 x 352mm [1'6" x 1'4" x 13.8"]
Weight	Model	56g [2 oz]
	Package	150g [5.3 oz]
Power supply	Via USB	
Power consumption	1.33Watts [max]	
Operation temperature	0~40°C [32~104°F]	
Storage temperature	-20~60°C [-4~140°F]	
Relative humidity	20~90% RH [no condensation]	

## 5. Connection Diagram



## 6. Panel Description



- 1. USB OUT:** Connect to a USB host (PC, NB, MAC...) and Firmware update
- 2. LED Indicator:** Input signal indicator LED
- 3. HDMI IN:** Connect to a HDMI source

## 7. USB Pin Definition



	P1		P2
VBUS	1	↔	1
D-	2	↔	2
D+	3	↔	3
GND	4	↔	4
StdA_SSRX-	5	↔	5
StdA_SSRX+	6	↔	6
GND	7	↔	7
StdA_SSTX-	8	↔	8
StdA_SSRX+	9	↔	9
Shield	SHELL	↔	SHELL



## 8. Limited Warranty

The SELLER warrants the **PRO-CaptureHD USB 3.0 Full HD Video Capture Device** to be free from defects in the material and workmanship for 1 year from the date of purchase from the SELLER or an authorized dealer. Should this product fail to be in good working order within 1 year warranty period, The SELLER, at its option, repair or replace the unit, provided that the unit has not been subjected to accident, disaster, abuse or any unauthorized modifications including static discharge and power surges.

Unit that fails under conditions other than those covered will be repaired at the current price of parts and labor in effect at the time of repair. Such repairs are warranted for 90 days from the day of reshipment to the BUYER. If the unit is delivered by mail, customers agree to insure the unit or assume the risk of loss or damage in transit. Under no circumstances will a unit be accepted without a return authorization number.

The warranty is in lieu of all other warranties expressed or implied, including without limitations, any other implied warranty or fitness or merchantability for any particular purpose, all of which are expressly disclaimed.

Proof of sale may be required in order to claim warranty. Customers outside Taiwan are responsible for shipping charges to and from the SELLER. Cables are limited to a 30 day warranty and cable must be free from any markings, scratches, and neatly coiled.

The content of this manual has been carefully checked and is believed to be accurate. However, The SELLER assumes no responsibility for any inaccuracies that may be contained in this manual. The SELLER will NOT be liable for direct, indirect, incidental, special, or consequential damages resulting from any defect or omission in this manual, even if advised of the possibility of such damages. Also, the technical information contained herein regarding the PRO-CaptureHD features and specifications is subject to change without further notice.



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