

**gofanco®**

## PRO-ScalerHD2V

HDMI to VGA & Audio Scaler Converter

## 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. Safety and Notice

Please read all of these instructions carefully before you use the device. Save this manual for future reference.

The **PRO-ScalerHD2V HDMI to VGA & Audio Scaler Converter** has been tested for conformance to safety regulations and requirements, and has been certified for international use. However, like all electronic equipments, the PRO-ScalerHD2V should be used with care. Please read and follow the safety instructions to protect yourself from possible injury and to minimize the risk of damage to the unit.

- Follow all instructions and warnings marked on this unit.
- Do not attempt to service this unit yourself, except where explained in this manual.
- Provide proper ventilation and air circulation and do not use near water.
- Keep objects that might damage the device and assure that the placement of this unit is on a stable surface.
- Use only the power adapter and power cords and connection cables designed for this unit.
- Do not use liquid or aerosol cleaners to clean this unit. Always unplug the power to the device before cleaning.

## 2. Introduction

The **PRO-ScalerHD2V HDMI to VGA & Audio Scaler Converter** offers an easy and instant approach for converting digital HDMI to analog PC video (VGA) with analog stereo audio. With this module, VGA based receivers such as LCD monitors or plasma TV can be readily connected to HDMI sources such as DVD players or HDCP. This cost effective solution lets you keep using your non-HDMI/DVI display to access HDMI or DVI source, and enjoy high definition digital video and audio.

## 3. Features

- HDMI 1.2 compliant
- IR remote control
- Remote control via Micro USB
- OSD control interface
- Maximum pixel rate : 165MHz
- De-interlacing supported
- Supports noise reduction and video enhancement features
- Video enhancement support
- Active video area adjustment supported
- USB firmware upgradable for expanding compatibility
- Wall-mount housing design for easy installation
- Multiple VESA output resolution supported

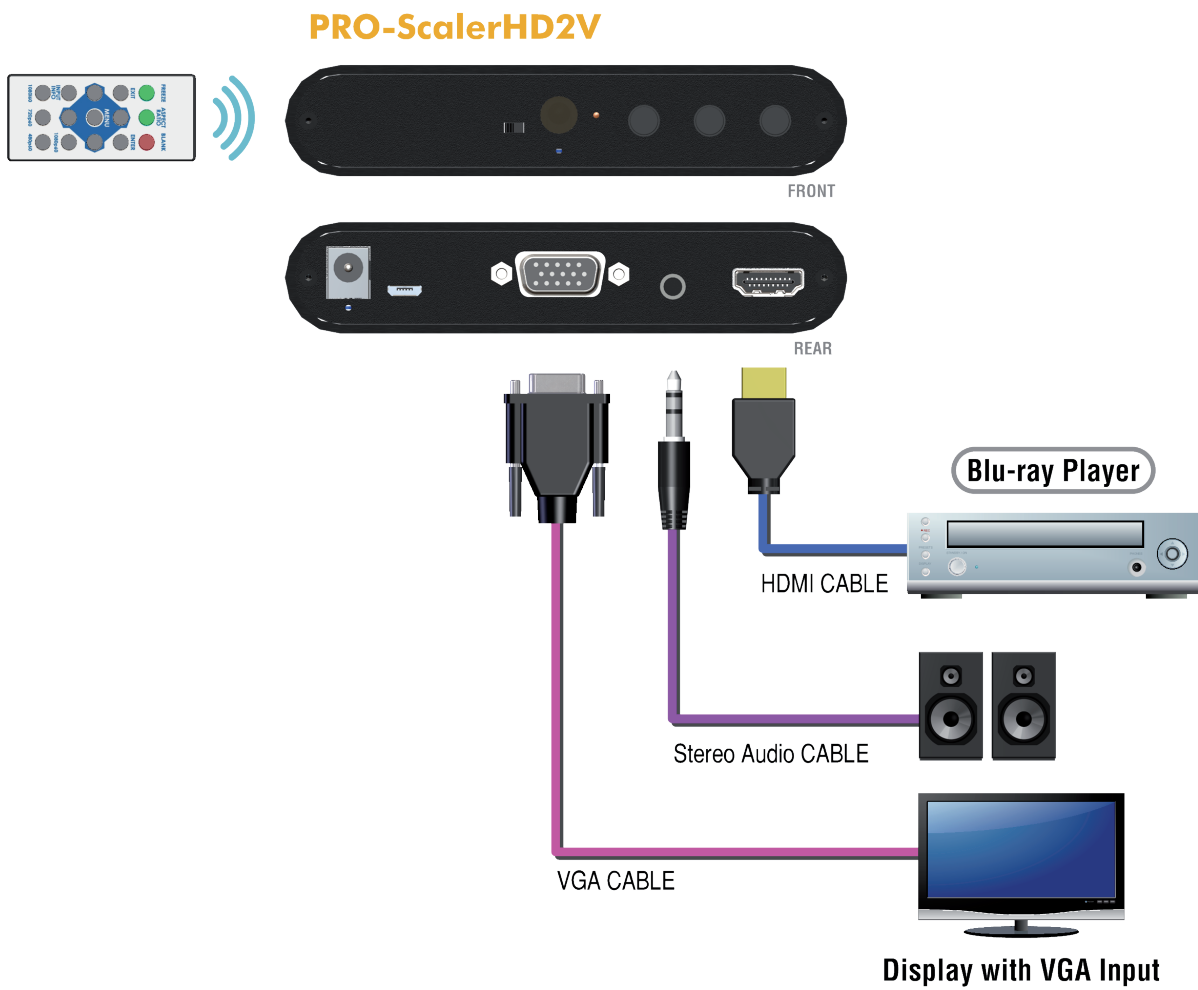
## 4. Package Contents

- 1x PRO-SCALERHD2V
- 1x 5V/2A power supply unit
- 1x IR Remote control
- 1x User Manual
- 2x Ear mount

## 5. Specifications

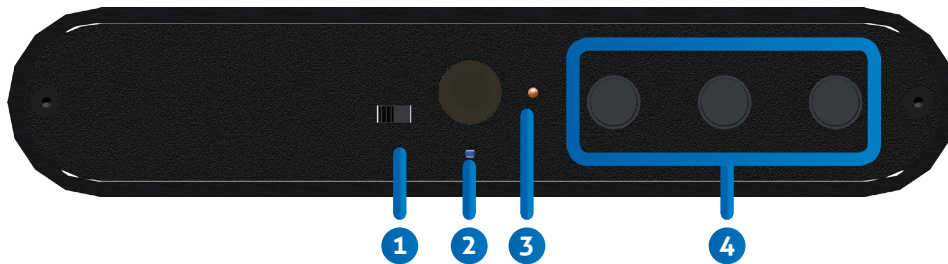
Item		Description
Technical		
Role of usage		HDMI to VGA Converter
HDMI compliance		HDMI 1.2
Input Video Frequency bandwidth		165 MHz
Output Video Frequency bandwidth		165MHz
Audio support		Stereo PCM (48KHz)
ESD protection		[1] Human body model — $\pm 19\text{kV}$ [air-gap discharge] & $\pm 12\text{kV}$ [contact discharge] [2] Core chipset — $\pm 2\text{kV}$
PCB stack-up		4-layer board [impedance control — differential $100\Omega$ ; single $50\Omega$ ]
Firmware update		Feasible via USB Port
CEC Channel		N/A
Input		1x HDMI
Output		1x VGA + 1x3.5mm
HDMI connector		Type A [19-pin female]
BNC connector		1.5G $75\Omega$ inter-locked socket
VGA connector		HD-15 [15-pin D-sub female]
USB connector		Micro B
Mechanical		
Housing		Metal enclosure
Dimensions [L x D x H]	Model	120 x 85 x 24mm [4.7" x 3.3" x 0.9"]
	Package	198 x 137 x 74mm [7.8" x 5.4" x 2.9"]
	Carton	420 x 400 x 300mm [1'4"x 1'3" x 11.8"]
Weight	Model	203g [7.2oz]
	Package	499g [1.1 lbs]
Fixedness		Wall-mounting case with screws
Power supply		5V 2A DC
Power consumption		5 Watts [max]
Operation temperature		0~40°C [32~104°F]
Storage temperature		-20~60°C [-4~140°F]
Relative humidity		20~90% RH [no condensation]

## 6. Connection Diagram



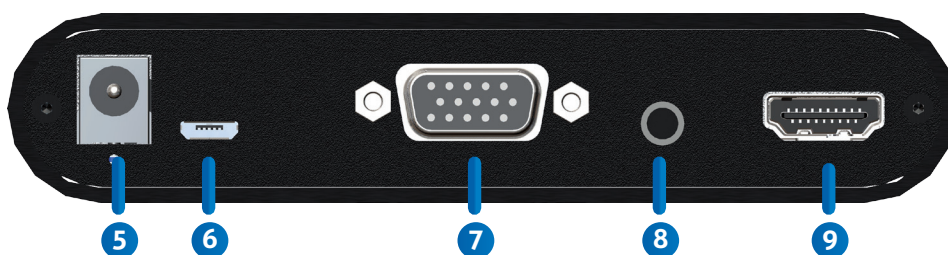
## 7. Panel Description

### Front Panel



1. **Dip Switch:** For firmware update  
ON [ ← ]: normal mode  
OFF [ → ]: firmware update mode
2. **IR Sensor:** IR sensor for receiving the IR commands from IR remote
3. **LED Indicator**  
[Orange]: power  
[Green]: signal and power
4. **Push Button**  
[LEFT]: Down Button  
[MID]: Up Button  
[RIGHT]: Menu/Enter Button

### Rear Panel



5. **+5V DC:** Interlocking power jack for 5V DC power supply unit
6. **Micro USB:** Firmware update & control port
7. **VGA OUT:** connect to a VGA display with a VGA male-male cable here
8. **Stereo Audio OUT:** connect to analog stereo audio speaker
9. **HDMI IN:** connect to an HDMI source

## 8. OSD Menu

1. Image	Contrast	0~255 of Contrast Level
	Brightness	0~255 of Brightness Level
	Saturation	0~255 of Saturation Level
	Hue	0~255 of Hue Level
	B/W Extension	Off, On
	Color Tone	Off, Skin, Green
	Edge Enhance	Typ, Mid, Max, Off
	Sharpness	0~127 of Sharpness Level
2. Adjustment	Out Resolut	
	Out ColorSpace	
	Over Scanning	
	Aspect Ratio	16:9, 4:3
3. System	In-sync Info	
	Default Pattern	
	Factory Reset	
	F/W Version	



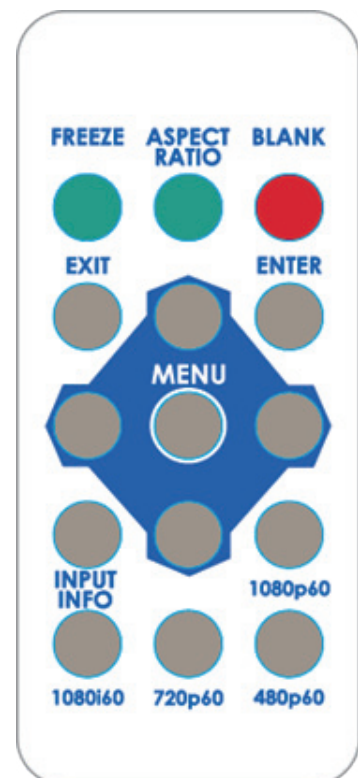
## 9. Operation Approach

### Method A: Push-in Button



### Method B: IR Remote Control

Button	Function
FREEZE	Freeze video
ASPECT RATIO	Aspect ratio change
BLANK	Blank video
EXIT	Exit OSD
ENTER	Enter key
UP	Up key
LEFT	Left key
RIGHT	Right key
DOWN	Down key
MENU	Menu on
INPUT INFO	Source resolution information
1080p60	Select 1080p60 output resolution
1080i60	Select 1080i60 output resolution
720p60	Select 720p60 output resolution
480p60	Select 480p60 output resolution



## 10. Limited Warranty

The SELLER warrants the **PRO-ScalerHD2V HDMI to VGA & Audio Scaler Converter** 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-SCALERHD2V features and specifications is subject to change without further notice.**

## Disclaimer

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We reserve the rights to make changes without prior notice to a product or system described herein to improve reliability, function, or design.



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