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1 YEAR WARRANTY   RoHS   FC   C E

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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.

For technical support, please email us at support@gofanco.com.

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

Table of Contents

1. Safety and Notice

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

The **PRO-ScalerV2HD VGA to HDMI & 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-ScalerV2HD 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-ScalerV2HD** **VGA to HDMI & Audio Scaler Converter** offers an easy and instant approach for converting analog PC video (VGA) with analog stereo audio to digital HDMI. With this module, VGA based devices such as PC with S/PDIF or analog stereo audio can readily connect to your HDMI TV. With such a convenience, presentations, demonstrations, or digital signage become easier and more cost effective.

3. Features

- IR remote control
- Remote control via Micro USB
- OSD control interface
- Maximum pixel rate : 165MHz
- Stereo input supported
- De-interfacing supported
- Supports noise reduction and video enhancement features
- Active video area adjustment supported
- USB firmware upgradable for expanding compatibility
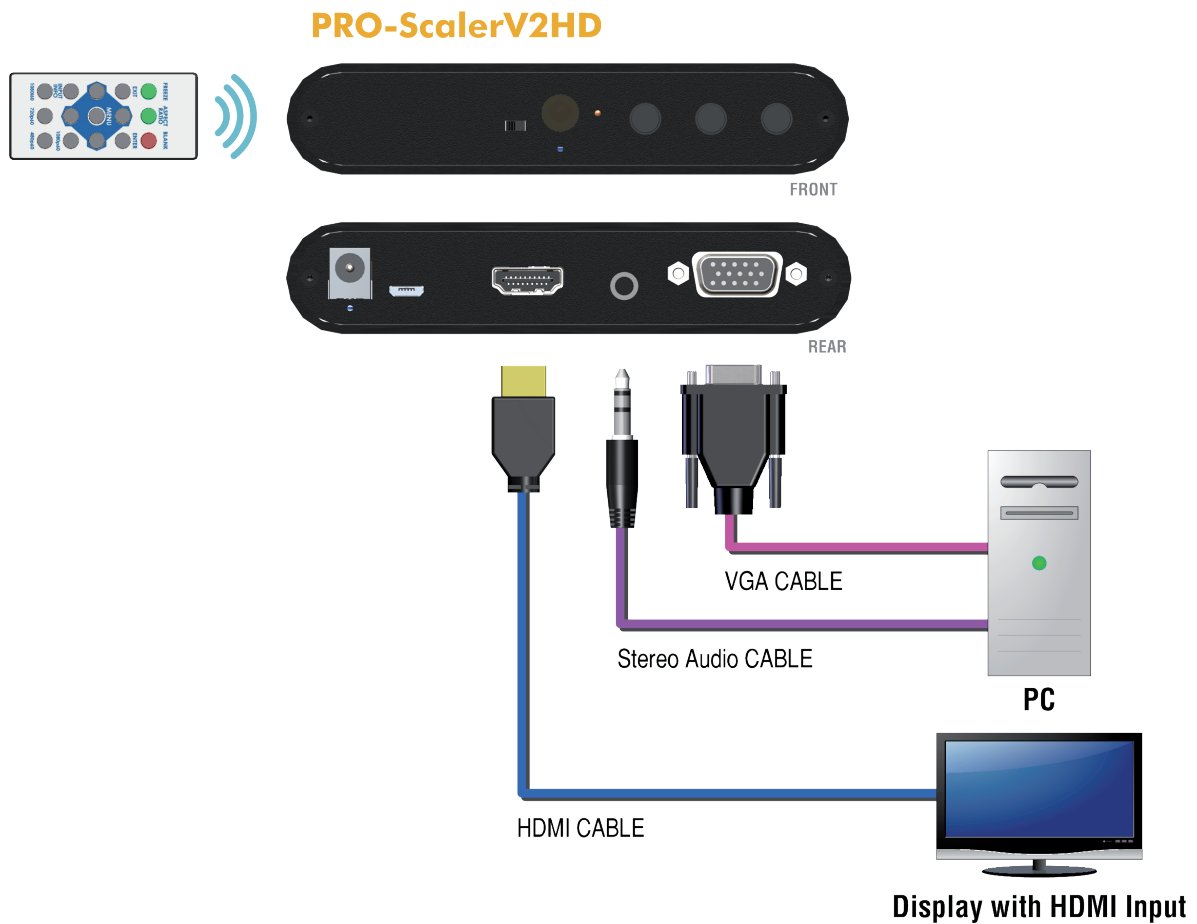- Wall-mount housing design for easy installation

4. Package Contents

- 1x PRO-ScalerV2HD
- 1x 5V/2A power supply unit
- 1x IR Remote control
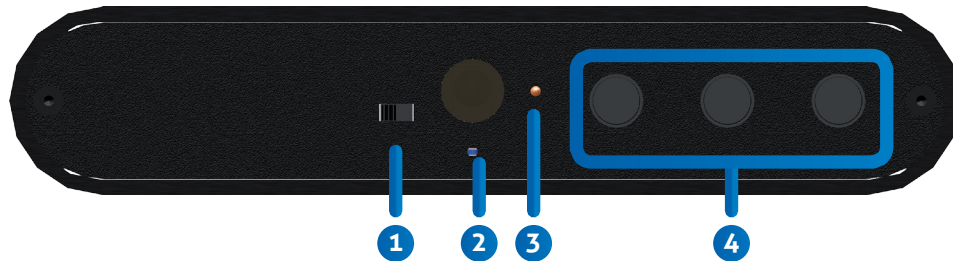- 1x User Manual
- 2x Ear mount

5. Specifications

Item	Description		
Technical			
Role of usage	VGA to HDMI Converter		
Frequency bandwidth	165MHz		
Audio support	Stereo PCM (48KHz only)		
ESD protection	[1] Human body model — ±19kV [air-gap discharge] & ±12kV [contact discharge] [2] Core chipset — ±2kV		
PCB stack-up	4-layer board [impedance control — differential 100Ω ; single 50Ω]		
Firmware update	Feasible via USB Port		
CEC Channel	N/A		
Input TMDS signal	1.2 Volts [peak-to-peak]		
Input DDC signal	5 Volts [peak-to-peak, TTL]		
Input	1x VGA + 1xStereo		
Output	1x HDMI		
VGA connector	HD-15 [15-pin D-sub female]		
HDMI connector	HDMI [19-pin 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]		

6. Connection Diagram

PRO-ScalerV2HD

FRONT

REAR

VGA CABLE

Stereo Audio CABLE

PC

HDMI CABLE

Display with HDMI Input
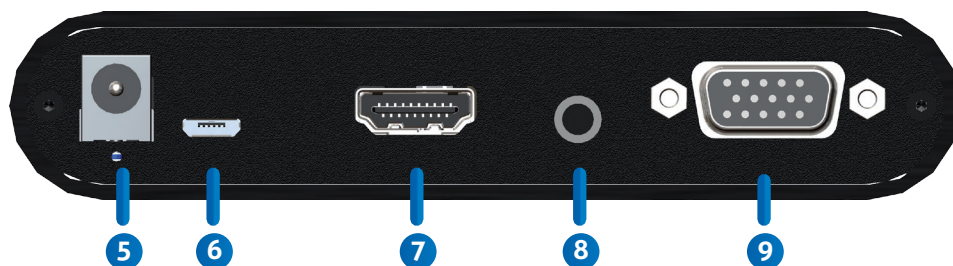
7. Panel Description

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. **HDMI OUT:** Connect to a HDMI display with a HDMI male-male cable here
8. **Stereo Audio IN:** connect to analog stereo audio source
9. **VGA IN:** connect to an VGA 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
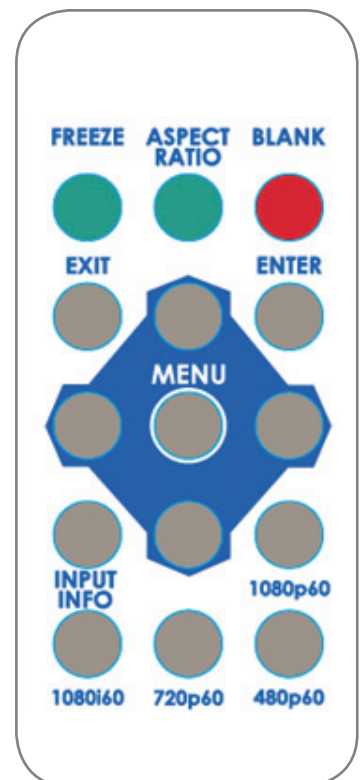
10. Limited Warranty

The SELLER warrants the **PRO-ScalerV2HD** **VGA to HDMI & 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-ScalerV2HD features and specifications is subject to change without further notice.**

Disclaimer

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Thank you for choosing gofanco