VGA-HDM-CON-0615 VGA & Audio to HDMI Scaler Converter



















rev: 131218 **Made in Taiwan**



The VGA-HDM-CON-0615 VGA & Audio to HDMI 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 VGA-HDM-CON-0615 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.

TABLE OF CONTIENTS

O INTRODUCTION
• FEATURES
O PACKAGE CONTENTS
SPECIFICATIONS
O PANEL DESCRIPTIONS
O CONNECTION DIAGRAM
OSD MENU5
OPERATION APPROACH6
O LIMITED WARRANTY

INTITRODUCTION

The VGA-HDM-CON-0615 VGA & Audio to HDMI Scaler Converter offers an easy and instant approach for converting analog PC video (VGA) with either digital audio (S/PDIF) or 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.

FEATURES

- IR remote control
- Remote control via Mini-USB
- OSD control interface
- Maximum pixel rate: 165MHz
- S/PDIF & Stereo input supported
- Deinterlacer supported
- Supports nosie reduction and video enhancement features
- Over / under scanning adjustable
- Video H/V mirror supported
- Active video area adjustment supported
- USB firmware upgradable for expanding compatibility
- Wall-mount housing design for easy installation

PAGKAGE CONTIENTS

- 1x VGA-HDM-CON-0615
- 1x 5V/4A power supply with power cord
- 1x IR Remote control
- 1x Installation software CD
- 1x User Manual

Model Name		VGA-HDM-CON-0615			
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 + 1xRCA + 1xStereo			
Output		1x HDMI			
VGA connector		HD-15 [15-pin D-sub female]			
HDMI connector		HDMI [19-pin female]			
USB connector		Mini B			
Mechanical					
Housing		Metal enclosure			
	Model	92 x 83 x 28mm [3.6" x 3.3" x 1.1"]			
Dimensions [L x W x H]	Package	175 x 128 x 134mm [6.9" x 5" x 5.3"]			
[= // // // //]	Carton	662 x 366 x 290mm [2'2" x 1'2" x 1']			
\\/oight	Model	260g [9.1oz]			
Weight	Package	510g [17.9oz]			
Fixedness		Wall-mounting case with screws			
Power supply		5V 4A 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]			

PANIEL DESCRIPTIONS

Front Panel



- **10** S/PDIF AUDIO IN: connect to digital S/PDIF audio source
- ② DIP SWITCH: For firmware update
 ON [↑]: firmware update mode

OFF [♣]: normal mode

13 LED INDICATOR:

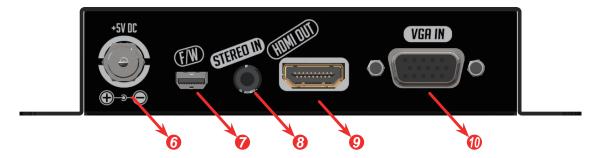
[green]: signal indicator LED [red]: power indicator LED.

- 4 IR SENSOR: IR sensor for receiving the IR commands from IR remote
- **6** PUSH BUTTON

[LEFT]: Down Button [MID]: Up Botton

[RIGHT]: Menu/Enter Button

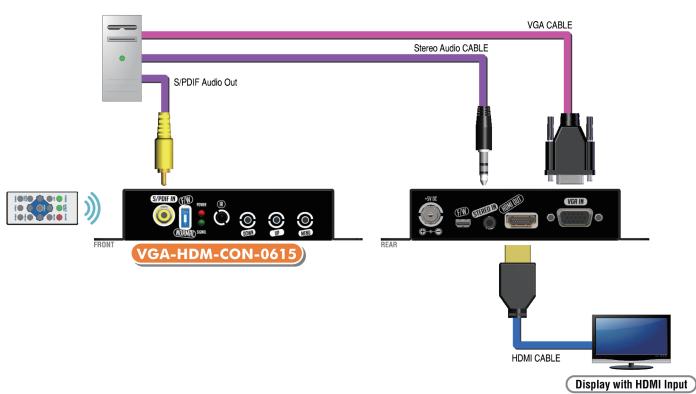
Rear Panel



- 6 +5V DC: Interlocking power jack for 5V DC power supply unit
- Mini USB: F/W update & control port
- **③ STEREO AUDIO IN:** connect to analog stereo audio source
- **9 HDMI OUT:** Connect to a HDMI display with a HDMI male-male cable here.
- **WGA IN:** connect to a VGA source

CONNECTION DIAGRAM



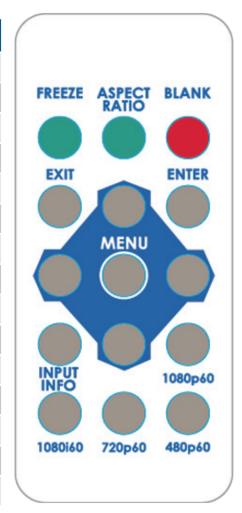


Method A: Push-in Button

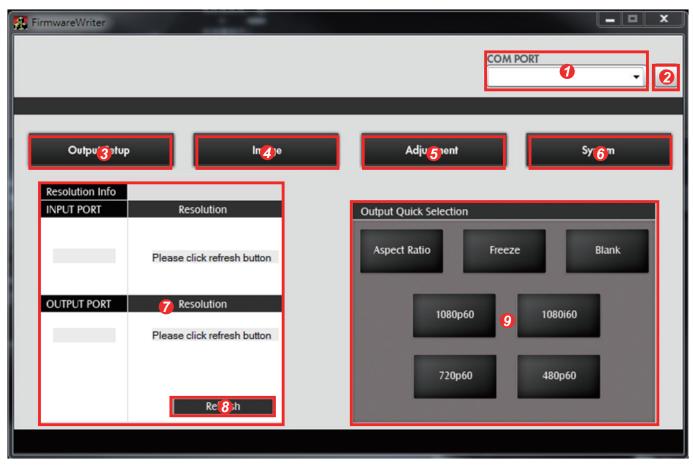


Method B: IR Remote Control

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		



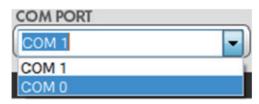
Method C: Push-in Button



1	COM Port Selection	6	System Button
2	COM Port Detection Button	7	Input / Output Resolution Info
3	Output Setup Button	8	Refresh Input / Output Resolution Info Button
4	Image Button	9	Output Quick Selection Button
5	Adjustment Button		

OM Port Selection

Please select the application COM PORT



OM Port Detection Button

Click this button

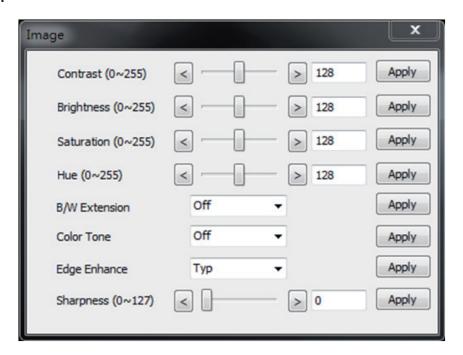


to detect the COM PORT

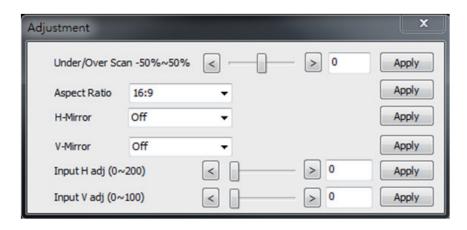
Output Setup Button



Image Button



6 Adjustment Button

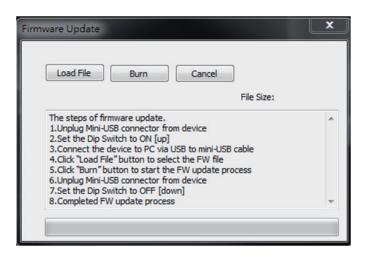


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6 System Button



- 1) In-Sync Info: To view the current input resolution
- 2) Factory Reset Button
- 3) Firmware Update Button



The steps of firmware update:

- a) Unplug Mini-USB connector from device
- b) Set the Dip Switch to ON [1]
- c) Connect the device to PC via USB to mini-USB cable
- d) Click the FW Update button on software
- e) Click "Load File" button to select the FW file
- f) Click "Burn" button to start the FW update process
- g) Unplug Mini-USB connector from device
- h) Set the Dip Switch to OFF [↓]
- i) Completed FW update process

1/O Port and Resolution Info

To display the information about the I/O Port and the applied Resolution

Refresh Button

To refresh the status of the converter

Output Quick Selection Button

Common functions for quick setting

LIMITTED WARRANTTY

The SELLER warrants the **VGA-HDM-CON-0615 VGA & Audio to HDMI 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 **VGA-HDM-CON-0615** features and specifications is subject to change without further notice.

