

geratech<sup>®</sup>



# EGE-SCA-VGA-SC-HDM

VGA to HDMI 4Kx2K Scaler  
Converter Box





Thank you for purchasing this product. For optimum performance and safety, please read these instructions carefully before connecting, operating or adjusting this product. Please keep this manual for future reference.

**1. INTRODUCTION**

The VGA to HDMI 4Kx2K Scaler Converter is a universal converter for analog VGA input to HDMI 4Kx2K@60Hz output. The analog to digital conversion in this module employs 10 bits maximal 297MSPS sampling, black/white level expansion, color transition improvement, dynamic range expansion, blue stretch , auto-detect and auto-convert the VGA signal to HDMI output. Making video come alive, delivering the sharpest, most realistic HD visuals available.

**2. FEATURES**

- No need to install drivers, portable, flexible, plug and play.
- Provide advanced signal processing with great precision, colors, resolutions, and details.
- Support multi-VESA Standard VGA formats input.
- Support HDMI 4Kx2K@60Hz, 4Kx2K@30Hz, 1080p@60Hz or 720p@60Hz output.

**3. PACKAGE**

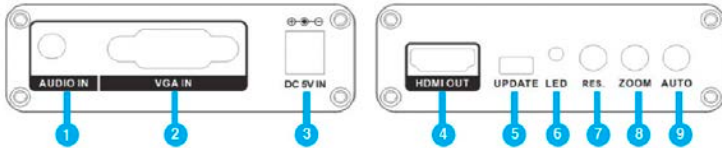
- VGA to HDMI 4Kx2K Scaler Converter 1 pcs
- 5V1A DC Power Supply Adaptor 1 pcs
- Operation Manual 1 pcs

**3. SPECIFICATIONS**

Input Port	1xVGA, 1xEarphone, 1 x Min- USB
Output ports:	1xHDMI
Dimensions(mm):	93(D)x84(W)x28(H)
Weight	160g

VGA input resolution:	640 x 480P@60Hz, 800 x 600@60Hz, 1024 x 768P@60Hz, 1280 x 720P@60Hz, 1280 x 768P@60Hz, 1280 x 1024P@60Hz, 1360 x 768P@60Hz ... 1920x 1080P@60Hz.
HDMI output resolution:	4Kx2K@60Hz,4Kx2K@30Hz,1080P@60Hz,720 P@60Hz
Operating Temperature	0°C ~ 40°C / 32°F ~ 104°F
Storage Temperature	-20°C ~ 60°C / -4°F ~ 140°F
Relative Humidity	20 ~ 90% RH (Non-condensing)
Power Consumption (Max)	3.5W
ESD Protection	Human Body Model: ± 8kV (air-gap discharge) ± 4kV (contact discharge)

**5. OPERATION CONTROLS FUNCTIONS**



- 1. AUDIO input:** These slot is where you connect to the audio PC or other audio signal source with 3.5mm earphone cable
- 2. VGA input:** These slot is where you connect the VGA source output from PC or Laptop.
- 3. DC 5V IN:** Connect the 5V DC power supply into the Converter.
- 4. HDMI OUT:** The HDMI OUT connect to HDMI equipped TVs or monitors.
- 5. UPDATE:** System software update.
- 6. Power LED:** This red LED illuminate when the device is connected with power supply.
- 7. Resolution Button:** Press this button to select the output resolution.
- 8. ZOOM Button:** Press this button the scaling of the output picture.
- 9. AUTO Button:** Press this button to automatically adjust the output picture.

## 6. Connection and Installation

1. Connect a source such as a PC to the Converter VGA input.
2. Connect the audio signal via the 3.5mm earphone cable.
3. Connect a display such as a monitor, TV or Projector to the HDMI output on the Converter.
4. Power on the device and display.







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