

VGA WUXGA to 1080p HDMI Video Scaler # 15319



Operation Manual

Introduction

The VGA to HDMI Video Scaler is designed to scale an analog video signal from a PC source to a digital HDMI output in a wide-range of HD and PC resolutions (up to 1080p/WUXGA RB). In addition to video scaling, the unit can convert an analog stereo audio input to digital and embed it in the HDMI output as 2-channel LPCM. This unit allows the user to select a wide range of output resolutions and features an auto adjustment feature for optimal picture quality.

Features

- HDMI and DVI 1.0 compliant
- Scales PC resolutions to SD/HD or PC resolutions
- Automatically detects the setting of the connected display and outputs the corresponding resolutions and refresh rate when the NATIVE output is selected
- Supports high resolution output:
 - PC: VGA, SVGA, XGA, SXGA, UXGA, WXGA, WSXGA, WUXGA(RB)
 - SD/HD: 480i, 576i, 480p, 576p, 720p, 1080i, 1080p
- Supports embedding of the stereo analog input and PC video to single HDMI output

Applications

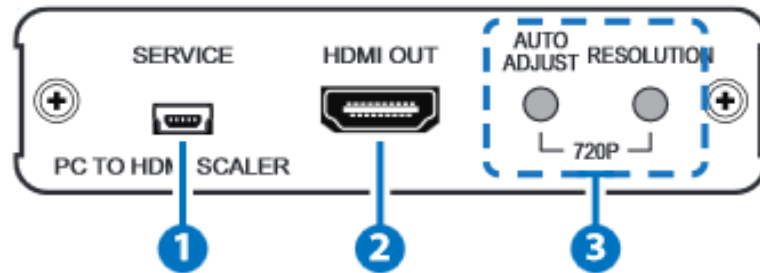
- Integrate an analog PC device into a digital HDMI system
- Analog to Digital video/audio signal conversion
- Display PC video on a High-Definition HDMI display

System Requirements

Source devices such as a PC or laptop with a D-sub 15-pin connector and an HDMI equipped display.

Operation Controls and Functions

Front Panel



1. SERVICE:

Manufacturer use only.

2. HDMI OUT:

Connect the HDMI output to the HDMI input of a display or AV receiver.

3. AUTO ADJUST:

Press this button to auto adjust the image position when it does not fit the screen properly.

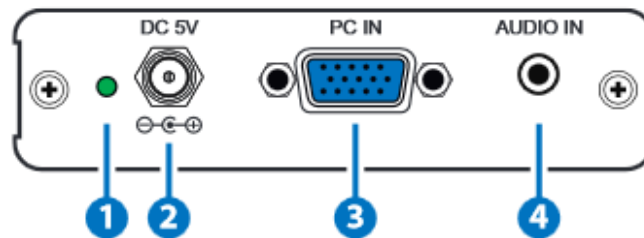
RESOLUTION:

Repeatedly press this button to cycle through the resolutions to select the required output (see section on Supported Resolutions).

720P:

Press both buttons simultaneously to immediately switch the output resolution to 720p@60Hz

Back Panel



1. POWER LED:

When the unit is connected to a power supply the LED will illuminate and the unit will switch ON automatically.

2. DC 5V:

Connect the DC power supply to the unit and plug the adaptor into an AC wall outlet.

3. PC IN:

Connect to an source device such as PC or laptop with D-sub 15-pin cable.

4. AUDIO IN:

Connect the 3.5mm mini-jack input to the analog audio output port of the source device.

Specifications

Input Ports	1×VGA (D-sub 15-pin), 1×3.5 mm Mini-jack
Output Port	1×HDMI
Input Resolution	Up to WUXGA (1920×1200@60RB)
Output Resolution	Up to 1080p & WUXGA (1920×1200@60RB)
Power Supply	5V/2.6A DC (US/EU standards, CE/FCC/UL certified)
Dimensions	102mm(W)×111mm(D)×25mm(H)
Weight	244g
Chassis Material	Aluminum
Silkscreen Color	Black
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	4.6W

Supported Resolution

INPUT(PC)	OUTPUT(HDMI)
VGA (640×480@60/72/75Hz)	Native
SVGA (800×600@56/60/72/75Hz)	640×480@60Hz
XGA (1024×768@60/70/75Hz)	800×600@60Hz
XGA+ (1152×864@75Hz)	1024×768@60Hz
1280×720@60Hz	1280×1024@60Hz
1280×768@60/60Hz (RB)	1600×1200@60Hz
1280×800@60/60Hz (RB)	1366×768@60Hz
1280×960@60Hz	1680×1050@60Hz
1280×1024@60/75Hz	1920×1200@60Hz (RB)
1360×768@60Hz	1280×800@60Hz
SXGA (1400×1050@60Hz)	1440×900@60Hz
WXGA (1440×900@60Hz)	1400×1050@60Hz
UXGA (1600×1200@60Hz)	1600×900@60Hz
WSXGA (1680×1050@60Hz)	480i@60Hz
1920×1080@60Hz	480p@60Hz
1920×1200@60Hz (RB)	720p@60Hz
	1080i@60Hz
	1080p@60Hz
	576i@50Hz
	576p@50Hz
	720p@50Hz
	1080i@50Hz
	1080p@50Hz

Connection Diagram

