

**1T-VS-624 RGB to HDMI Scaler** will convert a wide variety of standard PC (RGB) signals between VGA and WUXGA to a standard HDMI output at PC, SD or HD resolutions. In addition, externally available audio can be embedded into the output HDMI signal via separate Toslink and Analog Stereo inputs. Output audio, embedded in the HDMI signal, is separately available as Toslink and Analog Stereo outputs providing maximum flexibility for systems integration.

The unit is HDCP compliant and DVI compatible and is ideal for situations where PC or other RGB video must be viewed on an HDMI display. The resolution of the attached display is automatically discovered by the unit. A comprehensive OSD menu allows manual selection of output resolution, adjustments of picture quality and audio input selection. A Locking DC power connector is used for security.



### Key Features of the 1T-VS-624

- HDMI v1.2, HDCP 1.1, DVI 1.0 Compliant
- Input: VGA through WUXGA
- Output: 480i, 576i, 480p, 576p, 720p, 1080i, 1080p
- Automatically Detects HDMI Display Resolution
- Video Level Adjustments
- Supports embedded and external audio in and out
- Locking DC Power Adapter

### Specifications

#### Video Input/Output

PC RGB Video Input 1x Via HD-15 Connector  
HDMI Output 1x Via Type A Connector

#### Video Performance

Standards Compliance HDMI v1.2, HDCP 1.1, DVI 1.0

#### Input Resolutions

	VGA	640x480 @ 60, 72, 75, 85Hz
	SVGA	800x600 @ 56, 60, 72, 75, 85Hz
	XGA	1024x768 @ 60, 70, 75, 85Hz
PC (RGB)	SXGA	1280x1024 @ 60, 75, 85Hz
Resolutions	UXGA	1600x1200 @ 60Hz
	WXGA	1280x800 @ 60Hz
	WSXGA	1680x1050 @ 60Hz
	WUXGA	1920x1200 @ 60Hz

#### Output Resolutions

	VGA	640x480 @ 60Hz
	SVGA	800x600 @ 60Hz
	XGA	1024x768 @ 60Hz
HDMI PC	SXGA	1280x1024 @ 60Hz
Resolutions	UXGA	1600x1200 @ 60Hz
	WXGA	1280x800 @ 60Hz
	WSXGA	1680x1050 @ 60Hz
	WUXGA	1920x1200 @ 60Hz
	480p,	852x480 @ 60Hz
	576p	852x576 @ 50Hz
HDMI HDTV	720p	1280x720 @ 50, 60Hz
Resolutions	1080i	1920x1080 (i) @ 50, 60Hz
	1080p	1920x1080 (p) @ 50, 60Hz
HDMI SDTV	480i	852x480 @ 60Hz
Resolutions	576i	852x576 @ 50Hz

Video Adjustments Contrast, Brightness, Hue, Sharpness, Saturation, R-G-B Levels, Aspect Ratio

#### Audio Inputs/Outputs

Analog Stereo Input 1x via 3.5mm Mini-Stereo  
Analog Stereo Output 1x via 3.5mm Mini-Stereo  
Digital Input 1x SPDIF via Toslink Connector  
Digital Output 1x SPDIF via Toslink Connector

#### Stereo Audio Performance

Analog Input Level 2Vrms max @ 47KΩ  
Analog Output Level Unity @ 47KΩ  
Toslink In/Output Level Standard Toslink level

#### Mechanical

Size (H-W-D) 25x102x145mm (1x4x5.7")  
Weight (Net) 340g (12oz)

#### Warranty

Limited Warranty 3 Years Parts and Labor

#### Environmental

Operating Temperature 0° to +50°C (+32° to +122°F)  
Operating Humidity 10% to 90%, Non-condensing  
Storage Temperature -10° to +60° C (+14° to +140° F)  
Storage Humidity 10% to 90%, Non-condensing

#### Power Requirement

External Power Supply 5VDC@2A

#### Regulatory Approvals

Converter Unit FCC, CE, RoHS  
Power Supply UL, CUL, CE, PSE, GS, RoHS

#### Accessories Included

1x AC Power Adapter US, UK or Euro  
1x Operations Manual

**Product Item Number** 1T-VS-624

### Panel Drawings

