

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.

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

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

Output Resolutions

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



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

Mechanical

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

Warranty

Limited Warranty	1 Year 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

