

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) Resolutions	SXGA 1280x1024 @ 60, 75, 85Hz
	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 Resolutions	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
	1080p, 1920x1080 (p) @ 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

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

