

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

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| 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 |

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| 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

