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 complaint and DVI compatible and is ideal for situations where PC or other RGB video must be viewed on an HDMI display. 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**

<table>
<thead>
<tr>
<th>Video Input/Output</th>
<th>1x Via HD-15 Connector</th>
</tr>
</thead>
<tbody>
<tr>
<td>PC RGB Video Input</td>
<td>1x Via Type A Connector</td>
</tr>
</tbody>
</table>

**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 Resolutions: 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
- SXGA: 1280x1024 @ 60Hz
- UXGA: 1600x1200 @ 60Hz
- WXGA: 1280x800 @ 60Hz
- WSXGA: 1680x1050 @ 60Hz
- WUXGA: 1920x1200 @ 60Hz
- 480p: 852x480 @ 60Hz
- 576p: 852x576 @ 50Hz
- 720p: 1280x720 @ 50, 60Hz
- 1080i: 1920x1080 (i) @ 50, 60Hz
- 1080p: 1920x1080 (p) @ 50, 60Hz
- 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 Input/Output Level: Standard Toslink level

**Mechanical**

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

**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