

**1T-VS-626 HDMI Scaler** can accept audio embedded in the incoming HDMI signal or from the separate Toslink or analog Stereo inputs. The HDMI output can be the same resolution or scaled to a different resolution. Output audio is simultaneously present embedded in the HDMI signal and separately as Toslink and analog Stereo. This provides maximum flexibility for systems integration. The unit is ideal for situations where the HDMI source resolution and/or frame rate is incompatible with the display device’s resolution/frame rate. A comprehensive OSD menu and buttons allows selection of output resolution, adjustments of picture quality and audio source selection. It’s also possible to add up to 150ms of audio delay to compensate for lip sync errors.

Advanced features, such as 3D Motion Adaptive De-Interlacing and 50/60 Frame Rate Conversion combine to provide extremely high quality signal conversion. The unit is HDMI Compliant. A small inline power adapter is provided with locking DC connector for security.

**Specifications**

**Video Input/Output**
- HDMI 1.2 1x via HDMI Connector

**Resolutions Supported**
- PC Input/Output VGA through WUXGA
- HDTV Input/Output 480p, 576p, 720p, 1080i, 1080p
- SDTV Input 480i, 576i

**Video Adjustments**
- Contrast, Brightness, RGB Levels, Sharpness, Saturation, Hue

**Scaling Engine**
- De-Interlace 3D Motion Adaptive
- Pull-Down 3:2 + 2:2 Recovery
- Compliance HDMI v1.2, HDCP v1.1, DVI v1.0
- Image Processing Full Time/Full Range
- Frame Rate Conversion 50/60Hz
- Scan Conversion Converts all Standard Formats

**Audio Inputs/Outputs**
- Analog Stereo 1x via 3.5mm Connectors
- Digital 1x SPDIF via Toslink Connectors

**Audio Performance**
- Output Delay Off/40ms/110ms/150ms
- Analog Stereo Level In 2Vrms max @ 47KΩ
- Analog Stereo Level Out 1Vrms @ 47KΩ

**Key Features of the 1T-VS-626**
- HDMI v1.2, HDCP 1.1, DVI v1.0 Compliant
- Maximum I/O Resolutions WUXGA and 1080p
- Accepts 480i or 576i SDTV input
- Automatically Detects Input Resolution
- 50/60Hz Frame Rate Conversion
- 3-D Motion Adaptive De-interlace
- 3:2 and 2:2 Pull-Down
- Video Level Adjustments
- Supports embedded and external audio in and out
- Up to 150ms Audio Delay
- Locking DC Power Adapter

**Audio Performance (Continued)**
- Toslink Sampling Rate 48KHz, 2CH, LPCM
- Analog Bandwidth 20Hz to 20 KHz

**Mechanical**
- Size (H-W-D) 25x102x145mm (1x4x5.7”)
- Weight (Net) 324g (0.71 lbs)

**Warranty**
- Limited Warranty 2 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 – Locking DC

**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-626

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**Panel Drawings**

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