

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.



Key Features of the 1T-VS-626

- HDMI v1.1, HDCP 1.1 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

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

HDCP Compliance v1.1

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 Unity @ 47KΩ

Audio Performance (Continued)

Toslink Level In/Out Standard Toslink level

Analog Bandwidth 20Hz to 20 KHz

Mechanical

Size (H-W-D) 25x102x145mm (1x4x5.7")

Weight (Net) 324g (0.71 lbs)

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 – 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

Panel Drawings

