

1T-VS-622 Video to HDMI Scaler will convert either Composite or S-Video Standard Definition analog signals to an 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-622

- HDMI v1.2, HDCP 1.1, DVI 1.0 Compliant
- Input: Composite or S-Video, 480i or 576i
- 3-D De-interlacing, 3:2/2:2 Pull Down Detection
- Output: HD to 1080p, PC to WUXGA
- Automatically Detects HDMI Display Resolution
- Video Level Adjustments
- Supports embedded and external audio in and out
- Locking DC Power Adaptor

Specifications

Video Inputs

Composite	1x via RCA Connector
S-Video	1x via 4-Pin Mini-DIN
TV Standards	NTSC (480i), PAL (576i)

Video Output

HDMI Output	1x Via Type A Connector
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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 Performance

Standards Compliance	HDMI v1.2, HDCP 1.1, DVI 1.0
Video Processing	3-D Motion Adaptive, 3-D de-interlacing, 3:2/2:2 Pull Down Detection/Recovery
Video Adjustments	Contrast, Brightness, Hue, Sharpness, Saturation, R-G-B Levels, Picture Size

Audio Inputs/Outputs

Analog Stereo Input	2x via RCA Connector
Analog Stereo Output	1x via 3.5mm Mini-Stereo
Digital Input (Note 1)	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
Stereo Bandwidth	20Hz to 20 KHz

Mechanical

Size (H-W-D)	25x102x145mm (1x4x5.7")
Weight (Net)	405g (14.2oz)

Warranty

Limited Warranty	3 Years Parts and Labor
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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@2.6A
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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

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Notes

- (1) Toslink Audio is limited to 2.0 LPCM

Panel Drawings

