

1T-VS-622

Video to HDMI Scaler

Key Features

- 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 Adapter



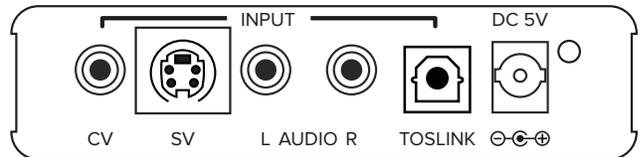
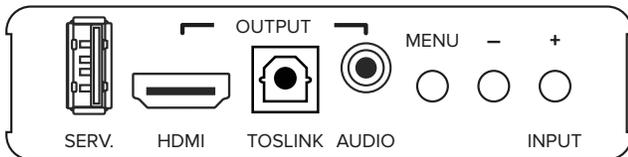
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Overview

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.

Panel Drawings



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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
Output Resolutions	
HDMI PC 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
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 @ 47K Ω
Analog Output Level	Unity @ 47K Ω
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	1 Year 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@2.6A
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-622
Notes	
(1) Toslink Audio is limited to 2.0 LPCM	