

# 1T-AVPC-HDMI

## HDMI Video Scaler (▲✕)



### Key Features 1T-AVPC-HDMI

- Up ▲, Cross ✕ Conversion
- Digital HDMI Out to 1080p & WUXGA
- Digital and Analog In to 1080p & WUXGA
- RGBHV, YPbPr and YUV Inputs Supported
- Integration of Analog Audio to HDMI Output
- 3-D Motion Adaptive De-Interlace, Noise Reduction
- 3:2 Pull-Down with 2:2 Pull-Down Recovery
- Auto Adjust for auto image size & position
- Front Panel or Infrared Remote Control



**1T-AVPC-HDMI Video Scaler** converts DVI and Analog inputs to the HDMI format, providing output resolutions up to 1080p and WUXGA. Analog RGB inputs up to WUXGA are accepted along with YPbPr up to 1080p. It also accepts a 480i or 576i YUV input. The digital inputs can be HDMI or DVI-D signals up to 165 MHz with RGB up to UXGA. An integrated DVI/HDMI HDCP compliant receiver is central to the processor along with 3-D motion adaptive de-interlacers. The 3:2 pull-down, 2:2 pull-down detection/recovery and 3-D noise reduction complete the superior video signal processing capability. Audio processing is accomplished by embedding either Analog Stereo Audio (R&L), PC Stereo Audio (R&L) or an auxiliary Analog Stereo Audio (R&L) input into the HDMI output.

# 1T-PCDVI-PCDVI

## PC/DVI Video Scaler (✕)



### Key Features 1T-PCDVI-PCDVI

- Cross ✕ Conversion
- Digital-Analog & Analog-Digital Conversion
- DVI & Analog In/Out to 1080p & WUXGA
- DVI In/Out is HDCP Compliant
- RGB, YPbPr and YUV Inputs Supported
- 3-D Motion Adaptive De-Interlace, Noise Reduction
- 3:2 Pull-Down with 2:2 Pull-Down Recovery
- Front Panel or Infrared Remote Control

**1T-PCDVI-PCDVI Video Scaler** is a high bandwidth, professional Cross Converter that freely converts between resolutions up to 1080p and WUXGA, analog or digital. It also upconverts 480i or 576i analog component video. Input connectors are DVI, HD15 and 3xRCA. Output connectors are DVI and HD15.

An integrated DVI/HDCP compliant receiver is central to the processor along with 3-D motion adaptive de-interlacers. The 3:2 pull-down, 2:2 pull-down detection recovery and 3-D noise reduction complete the superior video signal processing capability.

Both units may be operated from the front panel buttons or via the supplied Infrared Remote Control. An On Screen Display for the 1T-PCDVI-PCDVI makes operation of the scaler fast and simple. An Auto Adjust button allows for the automatic size and position of the image. A 5VDC Power Adapter with locking DC connector is provided.

# 1T-VS-626

## HDMI Video Scaler (✕)



### Key Features 1T-VS-626

- Cross ✕ Conversion
- HDMI v1.1, HDCP 1.1 Compliant
- Max I/O Resolutions WUXGA & 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 & external audio in/out
- Up to 150ms Audio Delay
- Locking DC Power Adapter



**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

## 1T-AVPC-HDMI

### Video Inputs

HDMI (DVI Compliant)	1x via HDMI Connector
Analog RGBHV	1x via HD-15 Connector
Analog Component	1x via 3x RCA Connectors

### Audio Inputs

Analog Stereo (R/L)	1x via 2x RCA Connectors
Analog Stereo (R/L)	1x via 3.5mm Connector
Analog Stereo (R/L) Aux	1x via 3.5mm Connector

### Video/Audio Output

HDMI (DVI Compliant)	1x via HDMI Connector
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### Input Formats Supported

Analog or Digital RGB	Up to WUXGA@60Hz
Analog or Digital Component	YPbPr to 1080p
Analog Interlaced Component	YUV at 480i, 576i

### Output Formats Supported

HDMI (RGBHV) Version 1.1	Up to WUXGA, 1080p
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## 1T-PCDVI-PCDVI

### Video Inputs

DVI-D	1x via DVI-I Connector
Analog RGBHV/YPbPr	1x via HD-15 Connector
Analog YUV/YPbPr	1x via 3x RCA Connectors

### Video Outputs

DVI-D	1x via DVI-I Connector
Analog RGB HV	1x via HD-15 Connector

### Input Formats Supported

RGBHV	Up to WUXGA@60Hz
YPbPr	Up to 1080p
Interlaced Component	YUV at 480i or 576i

### Output Format Supported

RGBHV	Up to WUXGA, 1080p
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### HDCP Support

HDMI I/O	Fully Compliant
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### Scaling Engine

De-Interlacers	3D Motion Adaptive
Noise Reduction	3D
Pull-Down	3:2 + 2:2 Recovery

## 1T-VS-626

### Video Input/Output

HDMI 1.2	1x via HDMI Connector
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### 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
Toslink Level In/Out	Standard Toslink level
Analog Bandwidth	20Hz to 20 KHz

## All Units

### Mechanical

(1T-AVPC-HDMI & 1T-PCDVI-PCDVI)	
Size (H-W-D)	25.5x180x125mm (1"x7.0"x4.9")
Weight (Net)	450 g (1 lb)
(1T-VS-626)	
Size (H-W-D)	25x102x145mm (1x4x5.7")
Weight (Net)	324g (0.71 lbs)

### Warranty

Limited Warranty	2 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@2A – (Locking DC - 1T-VS-626)
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### Regulatory Approvals

Converter Unit	FCC, CE, RoHS
Power Supply	UL, CUL, CE, PSE, GS, RoHS

### Accessories Included

1x Power Adapter	US, UK or Euro
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1x Operations Manual

1x IR Remote Control

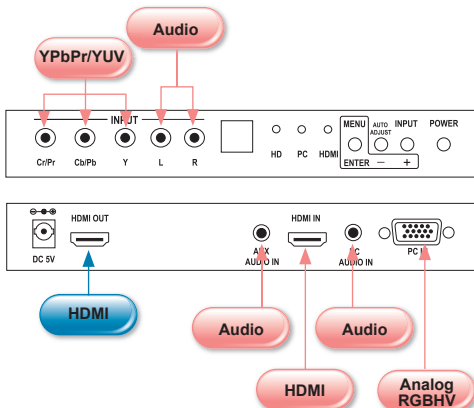
(1T-AVPC-HDMI & 1T-PCDVI-PCDVI)

### Product Item Number

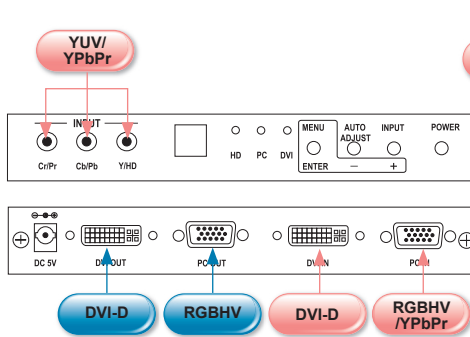
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