

# 1T-VS-558

## PC/HD DVI Video Scaler

### Key Features

- Cross Conversion
- I/O Resolutions to WUXGA and 1080p
- I/O Formats RGBHV (YPbPr and YUV In Only)
- Bi-directional Digital-Analog Conversion
- DVI Inputs and Outputs are fully HDCP Compliant
- 3-D Motion Adaptive De-Interlacing
- 3-D Noise Reduction
- 3:2 Pull-Down w/2:2 Pull-Down Recovery
- Auto Adjust Button for automatic Size/Position
- Infrared Remote Control
- Locking DC Power Supply
- Optional Single/Dual Rackmount Kit



### 1T-VS-558

#### Overview

1T-VS-558 Video Scaler is a high bandwidth, professional Cross Converter for Analog and DVI formats. The unit has separate Analog inputs and outputs via HD-15 and DVI-I connectors respectively. It accommodates resolutions up to WUXGA and 1080p and allows conversion between them as well as between digital and analog. The unit also accepts 480i or 576i YUV interlaced analog component video, such as from a DVD Player for up-conversion.

Advanced features, such as 3-D Motion Adaptive De-Interlacing and 3-D Noise Reduction, provide extremely high quality signal conversion. An OSD (On Screen Display) menu system makes the 1T-VS-558 easy to set up and control via front panel joystick or by the Infrared Remote Control. An Auto Adjust button allows for the automatic size and position of the image. DVI Inputs and Outputs are fully HDCP Compliant.

The unit requires external 5VDC and an AC Adapter is provided. It has a locking DC connector for added security. An optional RM-220 Rackmount kit is available that can house either one or two units.

### Specifications

#### Video Inputs

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

#### Video Outputs

DVI-D	1x via DVI-I Connector
Analog RGBHV	1x via HD-15 Connector

#### Control Methods

Local Control	Front Panel via Buttons and Joystick
Remote Control	IR and RS-232 via DB-9 Connector

#### Scaling Engine

Number of Engines	Two (2)
Phased Lock Loops	8-bit triple ADC
De-Interlace	3D Motion Adaptive
Noise Reduction	3D
Pull-Down	3:2 + 2:2 Recovery
Bandwidth	165 Mbs Digital, 100MHz Analog

#### Mechanical (H-W-D)

1T-VS-558	42 x 218 x 164mm (1.7" x 8.5" x 6.45")
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#### Weight

1T-VS-558	1.13kg (2.5 lbs.)
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#### 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, twist lock connector
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#### Regulatory Approvals

Encoder/Decoder Unit	FCC, CE, RoHS
Power Supply	UL, CUL, CE, PSE, GS, RoHS

#### Accessories Included

1x Power Adapter	US, UK and Euro
1x IR Remote Control	
1x Operations Manual	

#### Optional Accessories

Rackmount Kit	RM-220 Single/Dual
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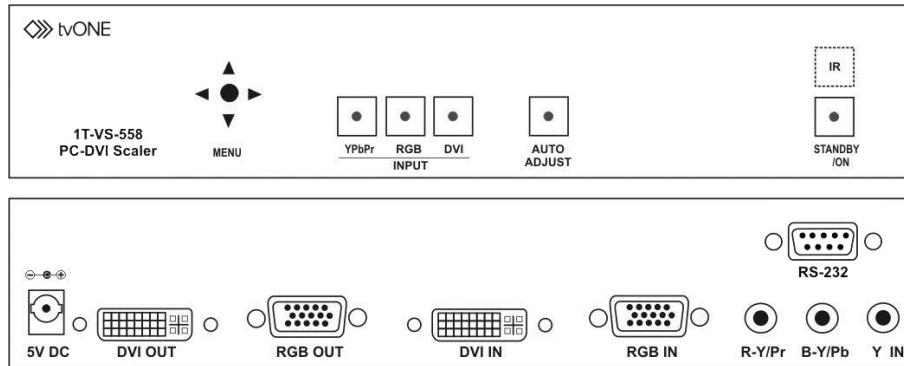
#### Model Number

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# 1T-VS-558

## PC/HD DVI Video Scaler

### Panel Drawings



### Input Resolution Table

Resolution		V. Rate/Hz	Scan	Format	Valid Connector
480i	720x480	60 (NTSC)	Interlaced	YUV	RCA
576i	720x576	50 (PAL)	Interlaced	YUV	RCA
480p	720x480	60	Progressive	YPbPr/RGBHV(1)	HD15, DVI, RCA
576p	720x576	50	Progressive	YPbPr/RGBHV(1)	HD15, DVI, RCA
720p	1280x720	50,60	Progressive	YPbPr/RGBHV(1)	HD15, DVI, RCA
1080i	1920x1080	50,60	Interlaced	YPbPr/RGBHV(1)	DVI, RCA(2)
1080p	1920x1080	50,60	Progressive	YPbPr/RGBHV(1)	HD15, DVI, RCA
VGA	640x480	60,72,75,85	Progressive	RGBHV	HD15, DVI
SVGA	800x600	56,60,72,75,85	Progressive	RGBHV	HD15, DVI
XGA	1024x768	60,70,75,85	Progressive	RGBHV	HD15, DVI
SXGA	1280x1024	60,75,85	Progressive	RGBHV	HD15, DVI
UXGA	1600x1200	60	Progressive	RGBHV	HD15, DVI
WXGA	1280x800	60	Progressive	RGBHV	HD15, DVI
WXGA+	1440x900	60	Progressive	RGBHV	HD15, DVI
WSXGA	1680x1050	60	Progressive	RGBHV	HD15, DVI
WUXGA	1920x1200	60	Progressive	RGBHV	HD15, DVI

Note 1 – Analog YPbPr input is only available via the 3-RCA Connectors.

Note 2 – Analog 1080i sources are not accepted over the HD-15 input.