

# 1T-VS-558

## PC/DVI Video Scaler (✕)

### Key Features 1T-VS-558

- 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 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. Both RGBHV and DVI can be output at the same time providing HDCP is not present.

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.

# 1T-VS-658

## HDMI Video Scaler (▲✕)

### Key Features 1T-VS-658

- Up ▲, Cross ✕ Conversion
- HDMI Output Resolutions to WUXGA and 1080p
- Inputs: HDMI, RGB, YPbPr, YUV, YC (S-Video), CV
- Both Analog and Digital Audio Capable
- Audio Delay for Lip Sync Corrections
- 3D Motion Adaptive De-Interlace & Noise Reduction
- 3:2 Pull-Down w/2:2 Pull-Down Recovery
- Infrared Remote Control
- Locking DC Power Supply
- Optional Single/Dual Rackmount Kit



**1T-VS-658 Video Scaler** is a professional Up and Cross Converter with an HDMI output. Fully scalable video inputs include HDMI, DVI (via the HDMI connector), Analog RGB/YPbPr via an HD-15, Analog YPbPr or 480i/576i YUV Component via three RCA, YC and Composite Video. It handles I/O Resolutions up to 1080p and WUXGA. Both digital and analog audio processing is supported and audio delays of up to 150ms can be introduced to insure lip sync. Five Analog Stereo and a SPDIF Coaxial Digital Audio input can be selected for embedding into the HDMI output. A separate Coaxial Digital Audio output is also provided.

Advanced features, such as 3D Motion Adaptive De-Interlacing, 3D Noise Reduction and 8-bit triple ADC/PLL technology, combine to provide extremely high quality signal conversion. The HDMI I/O is HDCP Compliant. An OSD (On Screen Display) menu makes the 1T-VS-658 easy to set up. Control is via front panel joystick and buttons, Infrared Remote or RS-232 interface.

## Video Scalers

Distributor / Vertrieb:

**VIDELCO** – Professionelle Audio- Video- Medien-Technik!  
Tel.: +49 (0)2102 / 86 39-00 • Fax: +49 (0)2102 / 86 39-17 • info@videlco.eu • www.videlco.eu

## 1T-VS-558 Specifications

### Video Inputs

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

### Video Outputs

DVI-D	1x via DVI-I Connector
Analog RGBHV	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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### Control Methods

Front Panel	Via Buttons and Joystick
Infrared	Via IR Remote Control
RS-232 Interface	Via DB-9 Connector

### Scaling Engine

De-Interlace	3D Motion Adaptive
Noise Reduction	3D
Pull-Down	3:2 + 2:2 Recovery
HDCP Compliance	Yes
Bandwidth	1.65 Gbs

### Mechanical

Size (H-W-D)	42x218x164mm (1.7x8.5x6.45")
Weight (Net)	1.13 kg (2.5 lbs)

### 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@2A
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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	
1x IR Remote Control	

### Optional Accessories

Rackmount Kit	RM-220 Single/Dual
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## 1T-VS-658 Specifications

### Video Inputs

HDMI (DVI Compatible)	1x via HDMI Connector
Analog RGBHV/YPbPr	1x via HD-15 Connector
Analog YUV Component	1x via 3x RCA Connectors
YC (S-Video)	1x via 4-pin Mini Din
Composite Video	1x via RCA Connector

### Audio Inputs

Digital (S/PDIF)	1x via RCA Connector
Analog Stereo	3x via RCA (R/L) 2x via 3.5mm Mini-Stereo

### Video Output

HDMI v1.2 (RGBHV)	1x via HDMI Connector
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### Audio Outputs

Embedded into HDMI	Digital per HDMI Spec
Digital (S/PDIF)	1x via RCA Coax Connector
Audio Delay Adjustment	Off, 40ms, 110ms, 150ms

### Input Video Formats Supported

HDMI v1.2 (RGBHV/YPbPr)	Up to WUXGA, 1080p
Analog RGBHV	Up to WUXGA@60Hz
Analog YPbPr	Up to 1080p
Analog Interlace Component	480i, 576i YUV (Y,R-Y,B-Y)
DVI (via HDMI Connector)	Up to WUXGA, 1080p
Composite and YC (S-Video)	NTSC or PAL

### Remote Control Methods

Front Panel	Via Buttons and Joystick
Infrared	Via IR Remote Control
RS-232 Interface	Via DB-9 Connector

### Scaling Engine

De-Interlace	3D Motion Adaptive
Noise Reduction	3D
Pull-Down	3:2 + 2:2 Recovery
HDMI Compliance	V 1.2 with HDCP

### Warranty

Limited Warranty	3 Years Parts and Labor
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### Mechanical

Size (H-W-D)	42x218x164mm (1.7x8.5x6.45")
Weight (Net)	1.21 kg (2.68 lbs)

### Environmental

Operating Temperature	0° to +48°C (+32° to +120°F)
Operating Humidity	10% to 85%, Non-condensing
Storage Temperature	-10° to +70°C (+14° to +158°F)
Storage Humidity	10% to 85%, Non-condensing

### Power Requirement

External Power Supply	5VDC@2A
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### Regulatory Approvals

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

### Accessories Included

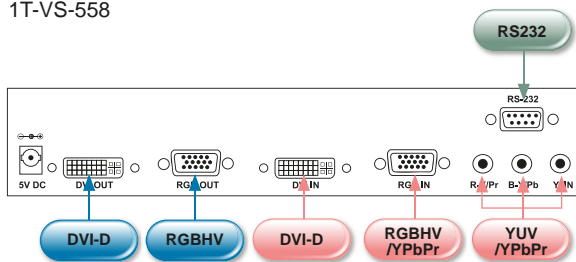
1x AC Power Adapter	US, UK or Euro
1x Operations Manual	
1x IR Remote Control	

### Optional Accessories

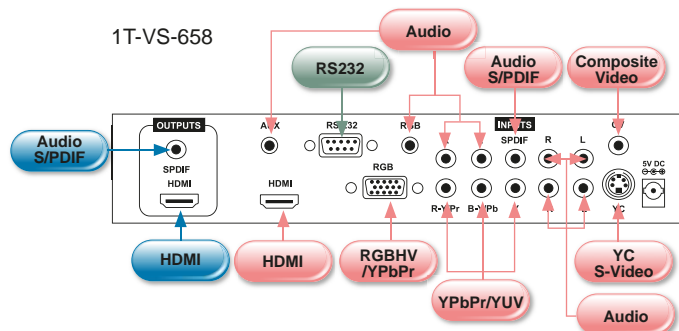
Rackmount Kit	RM-220 Single/Dual
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