

# 1T-VS-668

## Universal Video Scaler/Switcher

### Key Features

- HDMI Max Res: WUXGA & 1080p
- HDMI, RGB, YPbPr, YUV, CV In
- Seamless switching (no sync loss)
- Cross Conversion of Analog & Digital Audio
- Audio Delay for Lip Sync Correction
- HDCP Compliant
- 3D Motion Adaptive De-Interlacing
- Noise Reduction, 3D Comb Filter
- 3:2 Pull-Down, 2:2 Pull-Down Recovery
- Web GUI Control Interface
- Infrared Remote Control
- Locking DC Power Supply
- Rack Mount Kit



### 1T-VS-668

#### Overview

The 1T-VS-668 Video Scaler is a commercial switcher/scaler with versatile format conversion and multi-output routing capability. Fully scalable video inputs include HDMI, DVI (via DVI-to-HDMI adapter), analog RGB via HD-15 connectors, analog YPbPr or 480i/576i YUV Component via three RCA connectors, YC (S-Video) and Composite Video. It handles I/O Resolutions up to 1080p and WUXGA. Both digital and analog audio processing are supported and audio delays of up to 150ms can be introduced to ensure lip sync. Eight analog stereo and inputs can be selected for embedding into the HDMI outputs. Separate coaxial digital and stereo audio outputs are also provided.

### Specifications

#### Video Input

HDMI Input	3x via HDMI Connector
Analog RGBH	3x via HD-15 Connector
YPbPr/YUV	1x via RCA Connectors
Composite Video	1x NTSC/PAL via RCA Connector

#### Audio Input

Analog Audio	2x via RCA (R,L), 6 via 3.5mm mini
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#### Video Output

HDMI	2x via HDMI Connector
Analog RGBHV/YPbPr	1x via HD-15 Connector

#### Audio Output

HDMI Embedded	2x via HDMI Connector
Analog Stereo	1 via 3.5mm mini
Digital Audio(S/PDIF)	1x via RCA connector
Audio Delay	Off, 40ms, 110ms, 150ms

#### Environmental

Operating Temperature	0° to +40° C (+32° to +104° F)
Operating Humidity	20% to 90%, Non-condensing
Storage Temperature	-20° to +60° C (-4° to +140° F)
Storage Humidity	20% to 90%, Non-condensing

#### Warranty

Limited Warranty	3 Years Parts and Labor
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#### Regulatory Approvals

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

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

1T-VS-668	47x432x183mm (1.85" x 17" x 7.2")
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#### Weight

1T-VS-668	2.14Kg (4.7lb)
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#### Power Requirement

External Power Supply	5VDC@2.6A Locking Connector
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#### Accessories Included

1x Power Adapter	US, UK and Euro
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1x User Manual

1x Rack Ear Set

1x HD15 to YUV adapter cable

1x IR Remote Control

1x IR Extender

1x Operations Manual

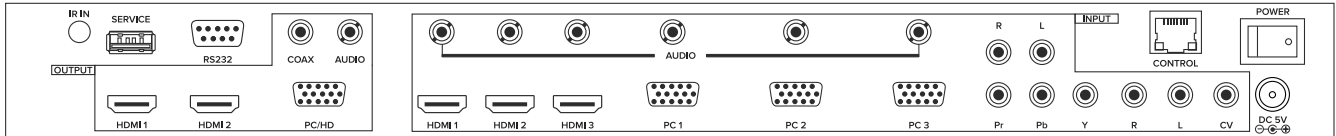
#### Model Number

1T-VS-668	Universal Video Scaler/Switcher
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## Universal Video Scaler/Switcher

### Panel Drawings



### Resolution Table

Resolution	V. Rate/Hz	Scan	Format	Valid Connector	
480i	720x480	60 (NTSC)	Interlaced	Composite, YUV	HD15,HDMI,YUV,CV
576i	720x576	50 (PAL)	Interlaced	Composite, YUV	HD15,HDMI,YUV,CV
480p	720x480	60	Progressive	YPbPr/RGBHV	HD15,HDMI,YUV
576p	720x576	50	Progressive	YPbPr/RGBHV	HD15,HDMI,YUV
720p	1280x720	50,60	Progressive	YPbPr/RGBHV	HD15,HDMI,YUV
1080i	1920x1080	50,60	Interlaced	YPbPr/RGBHV	HD15,HDMI,YUV
1080p	1920x1080	50,60	Progressive	YPbPr/RGBHV	HD15,HDMI,YUV
VGA	640x480	60	Progressive	RGBHV	HD15,HDMI
SVGA	800x600	60	Progressive	RGBHV	HD15,HDMI
XGA	1024x768	60	Progressive	RGBHV	HD15,HDMI
WXGA	1280x768	60	Progressive	RGBHV	HD15,HDMI
WXGA	1280x800	60	Progressive	RGBHV	HD15,HDMI
SXGA	1280x1024	60	Progressive	RGBHV	HD15,HDMI
	1360x768	60	Progressive	RGBHV	HD15,HDMI
SXGA+	1400x1050	60	Progressive	RGBHV	HD15,HDMI
	1440x900	60	Progressive	RGBHV	HD15,HDMI
UXGA	1600x1200	60	Progressive	RGBHV	HD15,HDMI
WSXGA	1680x1050	60	Progressive	RGBHV	HD15,HDMI
WUXGA	1920x1200	60	Progressive	RGBHV	HD15,HDMI