

1T-VS-658 Video Scaler is a professional Up and Cross Converter with an HDMI output. Fully scaleable 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.

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



Key Features of the 1T-VS-658

- 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

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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Panel Drawings

