

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 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 | 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

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|-------------------|-----------------------|
| HDMI v1.2 (RGBHV) | 1x via HDMI Connector |
|-------------------|-----------------------|

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

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|----------------------------|----------------------------|
| 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

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|------------------|--------------------------|
| 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 | 2 Years Parts and Labor |
|------------------|-------------------------|

Mechanical

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

Environmental

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|-----------------------|--------------------------------|
| 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

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|-----------------------|---------|
| External Power Supply | 5VDC@2A |
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Regulatory Approvals

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

Accessories Included

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

Optional Accessories

| | |
|---------------|--------------------|
| Rackmount Kit | RM-220 Single/Dual |
|---------------|--------------------|

Panel Drawings

