

**1T-AVPC-HDMI** Video Scaler converts analog and digital PC and HD inputs to the industry standard HDMI format providing output resolutions up to 1080p. Analog PC inputs to WUXGA@60Hz are accepted along with analog YPbPr/YCbCr HDTV inputs to 1080p. The digital inputs accept HDMI & DVI-D signals up to 165 MHz plus digital PC RGB signals up to UXGA@60Hz. HDMI output signals are supported up to and including 1080p resolution.

Dual, high quality scaling engines are utilized with 8-bit triple-ADC Phase Locked Loops. An integrated DVI/HDCP/HDMI compliant receiver is central to the processor along with 3-D motion adaptive de-interlacers. 3:2 pull-down, 2:2 pull-down detection/recovery and 3-D noise reduction complete the superior video signal processing capability.

Audio processing is accomplished by integrating either analog stereo audio (R&L), PC stereo audio or an auxiliary stereo audio input into the HDMI output data stream.

The 1T-AVPC-HDMI may be operated from the front panel switch matrix or via the supplied Infrared Remote Control. An On Screen Display makes operation of the scaler fast and simple.



### Key Features of 1T-AVPC-HDMI

- Digital HD Video Outputs to 1080p
- Digital PC RGB Outputs to WUXGA@60Hz
- Analog and Digital HDTV Inputs up to 1080p
- Analog and Digital PC inputs to WUXGA@60Hz
- Both YPbPr and YCbCr HDTV Inputs Supported
- Integration of Analog Audio into Digital Output
- Dual Video Scaling Engines
- 3-D Motion Adaptive De-Interlacers
- 3-D Noise Reduction
- 3:2 Pull-Down w/2:2 Pull-Down Recovery
- 8 Bit Triple-ADC/PLL
- On Screen Display
- Front Panel or Infrared Remote Control

### Specifications

#### Video Inputs

HDMI Digital HDTV Video	Via 1x HDMI Connector
PC RGB Video	Via 1x HD-15 Connector
Analog HDTV Video	Via 3x RCA Connectors

#### Video Inputs Supported

Analog PC RGB	Up to WUXGA@60Hz
Digital PC RGB	Up to WUXGA@60Hz
Analog HDTV/RGB	YPbPr/YCbCr to 1080p
Digital HDTV	Up to 1080p
DVI	DVI-D
DVI/HDCP/HDMI Frequency	Up to 165 MHz

#### Video Output

HDMI Digital HDTV Video	Via 1x HDMI Connector
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#### Video Outputs Supported

Digital PC RGB	Up to WUXGA@60Hz
Digital HDTV	Up to 1080p

#### Scaling Engine

Number of Engines	Two (2)
Phased Lock Loops Employed	8-bit triple ADC
De-Interlacers	3D Motion Adaptive
Noise Reduction	3D
Pull-Down	3:2 + 2:2 Recovery
HDMI Receiver	DVI/HDCP/HDMI
Image Component Processing	Full Time/Full Range

#### Audio Inputs

Analog Stereo (Line in)	Via 2x RCA Connectors
PC Audio Stereo In	Via 3.5mm Connector
Aux Audio Stereo In	Via 3.5mm Connector

#### Mechanical

Size (H-W-D)	1"x7.0"x4.9" (25.5x180x125mm)
Weight (Net)	11 Oz (312g)

#### Warranty

Limited Warranty	2 Years Parts and Labor
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#### 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
Power Supply	UL, CE, CSA
RoHS	Scaler and Power Supply

#### Accessories Included

1x AC Power Adapter	US, UK or Euro Type
1x Operations Manual	
1x Remote Control	Infrared Type
1x VGA Cable	HD-15 to HD-15
1x YPbPr Cable	3x RCA to 3x RCA

#### Product Item Numbers

1T-AVPC-HDMI
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## Panel Drawings

