



Product Description:

DVI-3531a is a versatile AV-PC to HDMI Converter / Scaler, which provides switch selection between three input signal types: DVI-D or HDMI, analog VGA and analog Component Video. Each input format supports its own stereo audio connection. The selected input signal is converted to a digital HDMI output signal with embedded audio. This unit accepts a wide range of input signal resolutions and supports pixel clock rates up to 165 MHz. In addition, it provides user-selectable output resolutions up to 1080p and 1920x1200 (WUXGA), using two high-performance scaling engines. Using DVI-Gear's Super High Resolution™ HDMI cables, or Fiber Optic cables, this unit can be positioned up to 100 meters (328 ft.) from the display.

Key Features:

- Supports analog and digital HDTV inputs up to 1080p resolution
- Supports analog and digital PC inputs to 1920x1200 / 60Hz resolution
- Supports both YPbPr and YCbCr HDTV input formats
- Digital HDMI output with user-selectable resolutions up to 1080p / 1920x1200 pixels
- Analog audio inputs are embedded into digital HDMI output
- Two high performance scaling engines with 8-bit Triple-ADC/PLL
- 3-D motion adaptive de-interlacing with 3-D noise reduction
- 3:2 pull-down with 2:2 pull-down recovery
- Intuitive on-screen menu-driven displays
- Front panel or Infrared remote control
- Locking DC power connector for added security

Specifications:

Model Number	
DVI-3531a	Converter / Scaler AV-PC to HDMI
Input Connections	
HDMI - digital HDTV Video	1x HDMI 19-pin female connector
PC - RGB Video	1x HD-15 female connector
HD - Analog Component HDTV Video	3x RCA female connectors
Input Format / Resolutions	
Analog / Digital PC RGB	up to 1920x1200 / 60Hz
Analog / Digital HDTV	YPbPr / YCbCr up to 1080p with 8-bit color
HDMI format	Supports HDMI and single-link DVI with or without HDCP encryption
Maximum Clock Rate / Bit Rate Supported	up to 165 MHz / 1.65 Gbps
Output Connection	
HDMI Digital HDTV Video	1x HDMI 19-pin female connector
Output Format / Resolutions	
HDMI Digital PC	up to 1920x1200 / 60Hz
HDMI Digital HDTV	up to 1080p with 8-bit color
Scaling Engine	
Number of Engines	Two (2)
Phased Lock Loops Employed	8-bit triple ADC
De-interlacing System	3D Motion Adaptive
Noise Reduction	3D
Pull-Down	3:2 + 2:2 Recovery
Image Component Processing	Full Time / Full Range
Audio Inputs	
Analog Stereo (Line in)	2x RCA female connectors
PC Audio Stereo In	3.5 mm female connector
Aux Audio Stereo In	3.5 mm female connector
Mechanical	
Size (H x W x D)	1" x 7.0" x 5.35" (25.5 mm x 179 mm x 136 mm)
Weight (Net)	15.8 oz (448 g)
Warranty	
Limited Warranty	3 Years Parts and Labor
Environmental	
Operating Temperature	0° to 49° C (32° to 120° F)
Storage Temperature	-10° to 70° C (14° to 158° F)
Operating / Storage Humidity	10% to 85%, non-condensing
Power Requirement	
External AC Power Supply	Input: 100-240VAC @50/60Hz Output: 5VDC @2A
Regulatory Approvals	
Converter Unit	FCC, CE, RoHS
Power Supply	UL, CE, CSA, RoHS
Accessories Included	
1x External AC Power Adapter, 1x IR Remote Control, 1x User Guide	