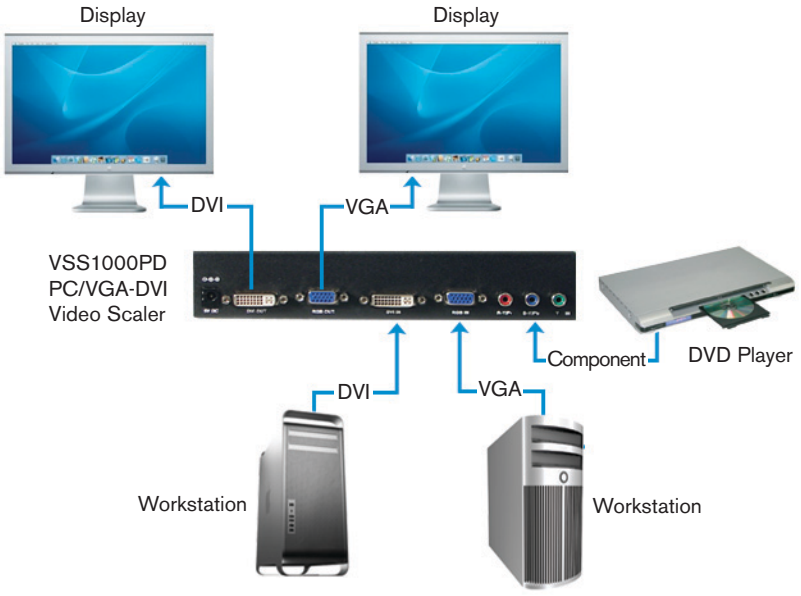
Emerge® VSS1000PD PC/VGA-DVI
Video Scaler

Cross conversion: DVI-VGA and VGA-DVI

The Avocent Emerge VSS1000PD PC/VGA-DVI video scaler is a high bandwidth, professional PC/Component/DVI to Digital DVI scaler that accepts PC generated RGB signals (up to WUXGA), HD component signals (480i up to 1080p) and DVI signals (up to WUXGA) and scales them to a DVI or PC output of 1080p/WUXGA.The inputs are DVI plus analog PC or HDTV in the formats of RGBHV, YPbPr, YCbCr and the outputs are digital DVI plus PC/HD. Outputs are 480i through 1080p or VGA to WUXGA.

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

The Emerge VSS1000PD video scaler may be operated from the front button panel or via the supplied infrared remote control. An On Screen Display (OSD) makes operation of the scaler fast and simple.



The VSS1000PD video scaler inputs are DVI plus analog PC or HDTV in the formats of RGBHV, YPbPr, YCbCr and the outputs are digital DVI plus PC/HD. Outputs are 480i through 1080p or VGA to WUXGA.

KEY FEATURES

- **Digital DVI Output Resolutions to WUXGA**
- **Video Outputs to 1080p**
- **PC RGB Outputs to WUXGA@60Hz**
- **Analog and Digital HDTV Inputs up to 1080p**
- **Analog and Digital PC inputs to WUXGA@60Hz**
- **DVI Inputs and Outputs are fully HDCP Compliant**
- **Both YPbPr and YCbCr HDTV Inputs Supported**
- **3D Motion Adaptive De-Interlace**
- **3D 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**

EMERGE® VSS1000PD PC/VGA-DVI VIDEO SCALER

Technical Specifications

VSS1000PD: Mechanical / Power / Environmental

Size: 4.90" (125 mm) D, 7.00" (180 mm) W, 1.00" (25.4 mm) H
Shipping Weight: .69 lbs (0.31 Kg)
Power (External Power Supply): 5VDC@2A
Operating Temperature: 32°F (0°C) to 120°F (48°C)
Storage Temperature: 14°F (-10°C) to 158° F (70°C)
Humidity: 10% to 85% (Non-condensing)

VSS1000PD: Video Inputs

HDTV Video: Via 1x DVI Connector
PC RGB Video: Via 1x HD-15 Connector
Analog HDTV Video: Via 3x RCA Connectors

VSS1000PD: Video Inputs Supported

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

VSS1000PD: Video Output

DVI Digital HDTV Video: Via 1x DVI-I Connector

VSS1000PD: Video Outputs Supported

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

VSS1000PD: Scaling Engine

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

Standards

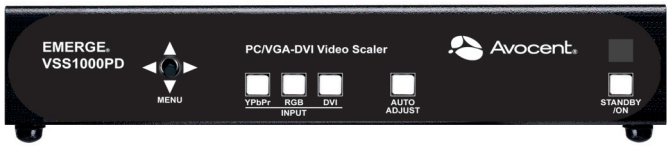
Converter Unit: FCC, CE
Power Supply: UL, CE, CSA
RoHS: Scaler and Power Supply

Warranty

Two years

Ordering Details

Part Number	Description
VSS1000PD	Video Scaler - Cross Converison: DVI-VGA and VGA-DVI



VSS1000PD Video Scaler (Front)

VSS1000PD Video Scaler (Back)

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