

# Emerge® VSS1000P PC/VGA Video Scaler



## Upscales video to VGA

The Avocent EmERGE VSS1000P PC/VGA video scaler provides high quality up conversion from composite and s-video formats to computer or HDTV signals and bidirectional high quality conversion between computer graphics and HDTV signals in a compact package. NTSC and PAL video standards are supported; as well as cross conversion within formats is also supported. Both input and output support any computer resolution up to 2048 x 2048 at any vertical refresh rate and all HDTV resolutions up to 1080p. A wide variety of computer signal formats are available to support PC, Mac and workstation formats.

An On-Screen Display (OSD) is available to assist in setup. Variable zoom to 10X allows you to enlarge any part of the video image to fill the entire computer screen and pan controls allow you to move around to any area desired. Variable shrink to as little as 10% allows fitting the image onto most displays.

All the functions can be controlled via the front panel push buttons, an optional infrared controller or via an RS-232 connection. A Microsoft Windows-based control application is provided for GUI-based operation and most third party control systems interface serially with Avocent EmERGE video scalers.



*Upscale video to VGA easily from a workstation or any source device using VGA, composite, and s-video formats. Both input and output support any computer resolution up to 2048 x 2048 at any vertical refresh rate and all HDTV resolutions up to 1080p.*

## KEY FEATURES

- **RGB/YPbPr Input and Output**
- **PC Resolution up to 2048 x 2048, In and Out**
- **HDTV up to 1080P, In and Out**
- **Converts PC to HDTV or HDTV to PC**
- **Converts PC to PC or HDTV to HDTV**
- **Automatic Incoming Resolution Detection**
- **1x Composite and 1x S-Video Input**
- **HDTV Resolutions to 1080P**
- **Multiple Worldwide Television Standards**
- **1x RGB/YPbPr Output**
- **RS-232 Interface and Windows Control Panel**
- **Variable Image Zoom to 10X and Shrink to 10%**
- **Optional IR Remote Controller**



This symbol on a product indicates that it is powered by CORIO2™ technology, the most flexible video processing engine now available.

## EMERGE® VSS1000P PC/VGA VIDEO SCALER

### Technical Specifications

#### VSS1000P: Mechanical / Power / Environmental

**Size:** 3.50" (89 mm) D, 7.90" (200 mm) W, 1.20" (30 mm) H

**Shipping Weight:** 1.3 lbs (0.59 Kg)

**Power (External Power Supply):** 12VDC@1A

**Operating Temperature:** 40°F (4°C) to 113°F (45°C)

**Storage Temperature:** 32°F (0°C) to 140° F (60°C)

**Humidity:** 10% to 85% (Non-condensing)

#### VSS1000P: Video Inputs

**Television Standards:** NTSC, PAL, PAL-M, PAL-N, SECAM

**Composite Video:** 1x via BNC

**S-Video (YC):** 1x via 4-Pin Mini-DIN Connector

#### VSS1000P: Computer Input

**RGB/YPbPr:** 1x via HD15 (Loop-thru only)

**Format - Analog:** RGBHV, RGBS, RGsB, YPbPr

#### VSS1000P: Computer Output

**Format - Analog:** RGBHV, RGBS, RGsB, YPbPr

**Connectors:** 1x HD-15 Female

**R-G-B Level:** 0.7 Vp-p

**PC Resolutions:** Any up to 2048 x 2048

**HDTV Resolutions:** Any up to 1080p

**Vertical Refresh Rate:** Any to 250Hz

#### VSS1000P: General

**Size and Position:** Automatic via AutoSet or Manual

**Image Size:** User-Definable Presets

**Image Freeze:** One Video Frame

**Settings Memory:** Non-Volatile

**Zoom Range:** Variable to 10X Zoom

**Shrink Range:** Variable to 10%

**Image Mirroring:** Horizontal and/or Vertical

**Horizontal Filtering:** Full Digital

**Conversion Technology:** Proprietary – CORIO2™

**Color Resolution:** 24-bit (16.8 Million Colors)

**Digital Sampling:** 24-bit, 4:4:4 format

**Firmware Memory:** Flash, Upgradeable via RS-232

**Video Decoder:** 9-bit Digital

**De-Interlacing (NTSC-PAL):** Pixel-level Motion Adaptive

**Comb Filter Decoding:** Adaptive

**Film Mode (NTSC):** 3:2 Pulldown

**Video Adjustments:** Contrast, Brightness, Saturation, Hue (NTSC), R-G-B Levels

#### VSS1000P: Control Methods

**Local:** Via Front Panel Buttons and OSD

**RS-232 Interface:** Via D9 Female Connector

**Infrared Remote:** Via IR-RC1 Optional Remote Unit

#### Standards

**Main Unit:** FCC, CE, RoHS

**Power Supply:** UL, CE, CSA, RoHS

#### Warranty

Two years

### Ordering Details

Part Number	Description
VSS1000P	Video Scaler - Upscales Video to VGA
Optional Accessories	
IR-RC1	Remote Controller



VSS1000P Video Scaler (Front)



VSS1000P Video Scaler (Back)

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