

DATASHEET **CONVERTER/SCALER**



c-linx series

Features

- HDMI 1.3 compliant, DVI 1.0 compliant
- Supported resolutions: WUXGA (1920x1200), UXGA (1600x1200) or up to 1080p/60Hz
- Supports up to 24-bit color depth
- Supports stereo audio and digital (S/PDIF) audio embedding into the HDMI stream
- Scales up and down VESA compliant formats (VGA and DVI)
- Advanced Video Processing: Noise management, color management, 3D de-interlacing, contrast control and closed caption
- Supports OSD control, and versatile IR control
- 3:2/2:2 pull down detection and recovery
- Firmware upgradable via RS-232
- Software controllable and serial protocol available
- Supports zoom, crop and TV wall application

Applications

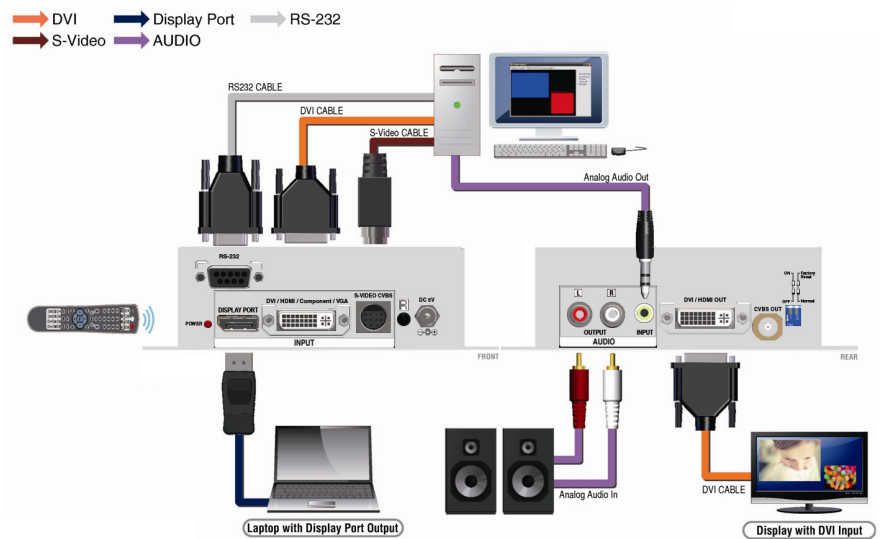
- Conference Rooms
- Houses of Worship
- Higher Education
- Video Walls
- Anywhere legacy video signals need to be converted to be viewed using higher resolution computer monitors or projectors

Universal Video Converter/Scaler with Stereo Analog Audio

EMCORE's CS-1UV-DVI/VGA-A provides a professional way to convert DVI, HDMI, VGA, Component (YPbPr), Composite (CVBS), and S-Video inputs to DVI and VGA outputs in real time. The conversion is pure digital and guarantees the highest quality video and audio conversion possible.

The CS-1UV-DVI/VGA-A also embeds either stereo analog or 2-channel digital (S/PDIF) audio into the HDMI video stream (via HDMI to DVI adapter). The VGA/HDMI output supports both dual-displays and picture-in-picture functionality. The CS-1UV-DVI/VGA-A ensures that architects, integrators, installers and end-users are presented with more options than ever before for designing, installing and operating in an environment that can easily adapt to multiple video formats.

Connection Diagram



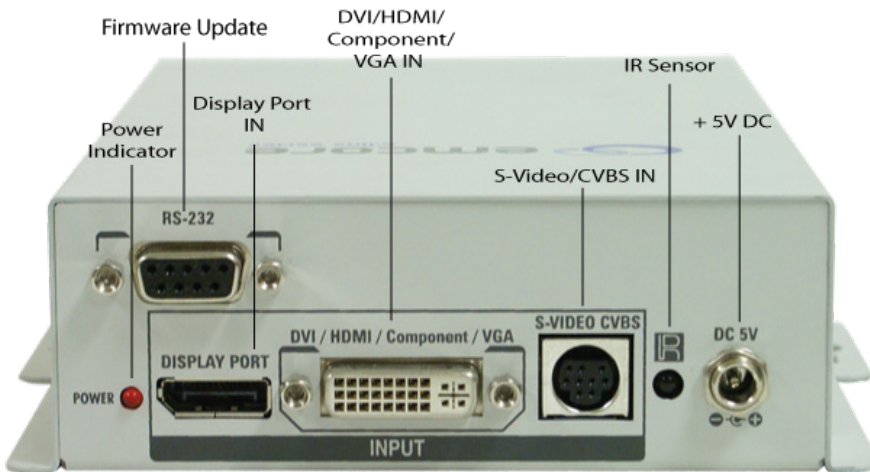
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Ordering Information

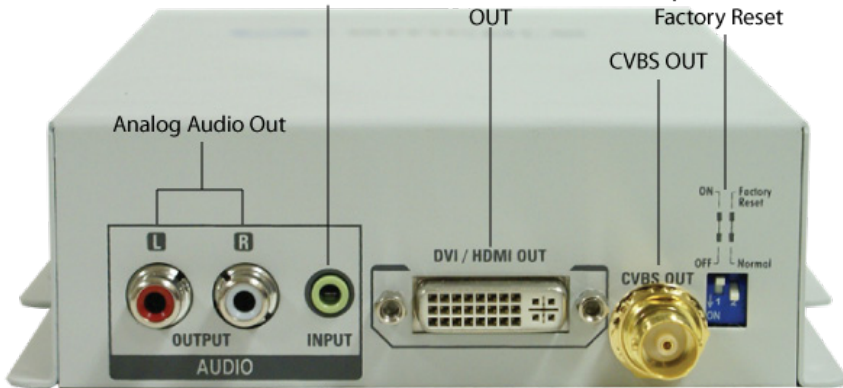
Model	Description
CS-1UV-DVI/VGA-A	Universal Video Converter Scaler with HDMI, DVI, VGA, Component (YPbPr), Composite (CVBS) and S-Video inputs to DVI and VGA output with analog audio, stand-alone with power supply

Connection Diagram

CS-1UV-DVI/VGA-A Input Panel



CS-1UV-DVI/VGA-A Output Panel



Video

Specifications	Values
Inputs	DVI, HDMI, S-Video, VGA, Component (YPbPr) and Composite (CVBS)
Outputs	HDMI, DVI, VGA & RS-232
Resolutions support	640x480@24/30/50/60, 800x600@24/30/50/60, 848x480@24/30/50/60, 1024x768@24/30/50/60, 1280x720@24/30/50/60, 1280x768@24/30/50/60, 1280x900@24/30/50/60, 1280x1024@24/30/50/60, 1360x768@24/30/50/60, 1366x768@24/30/50/60, 1400x1050@24/30/50/60, 1600x900@24/30/50/60, 1600x1200@24/30/50/60, 1680x1050@24/30/50/60, 1920x1080@24/30/50/60, 1920x1200@24/30/50/60
DVI connector	DVI-I [29-pin female]
PIP/PAP support	Yes
Digital video bandwidth	6.75 Gbps
Analog video bandwidth	165 MHz

Audio

Specifications	Values
RCA connector	9 pin S-Video, Composite, and S/PDIF
3.5mm connector	Earphone jack for analog stereo audio

IR Control

Specifications	Values
IR remote control	Electro-optical characteristics: $\theta = 25^\circ$ / Carrier frequency: 38 kHz

Firmware Upgrade

Specifications	Values
RS-232 connector	DE-9 [9-pin D-sub female]

General

Specifications	Values
Input Power	5V DC
Power Consumption	10 Watts max
Weight	17.11 oz [485g]
Dimensions	4.9" x 6.5" x 1.6" [193.6 x 146.2 x 44mm]
Operating Temperature	0~40°C [32~104°F]
Storage Temperature	-20~60°C [-4~140°F]
Relative Humidity	20~90% RH [no condensation]
Warranty	1 Year

Compliance

