

RGB-DVI 300

RGB TO DVI SCALER

- ▶ Converts and scales RGB and HDTV component video to DVI
- ▶ Selectable output rates up to 1920x1200, including HDTV 1080p/60 and 2K
- ▶ Auto Input Format Detection
- ▶ EDID Emulation
- ▶ Picture control adjustments with on-screen display
- ▶ RS-232 control port



The Extron RGB-DVI 300 is a high performance RGB to DVI scaler that converts incoming analog component video and RGBHV signals to DVI. It accepts HDTV and high resolution computer-video signals, and offers single link DVI output rates up to 1920x1200, including HDTV 1080p/60.



Extron® Electronics
INTERFACING, SWITCHING AND CONTROL

DESCRIPTION

The Extron **RGB-DVI 300** is a high performance RGB to DVI scaler that converts incoming analog component video and RGBHV signals to DVI-D signals. It accepts HDTV and high resolution computer-video signals up to 1920x1200, and offers multiple output rates up to 1920x1200, including HDTV 1080p/60. The RGB-DVI 300 is housed in a compact, low-profile enclosure for discreet installation behind a display or above a projector. The RGB-DVI 300 is ideal for applications where displays, equipped only with DVI or HDMI inputs, are to be used with sources that output analog RGB computer-video, or in an environment with an existing analog RGB signal distribution infrastructure.

FEATURES

- ▶ **Input: RGBHV or component video on 15-pin HD**
- ▶ **Output: DVI digital on DVI-I**
- ▶ **Auto Input Format Detection** – The RGB-DVI 300 can be set to detect the incoming RGB or HD component video signal format, automatically reconfiguring itself to provide the appropriate decoding and signal processing.
- ▶ **EDID Emulation** – The RGB-DVI 300 provides a means for specifying the rate of the incoming signal, ensuring proper communication with the VGA source.
- ▶ **Output Standby Mode** – The RGB-DVI 300 can be set to automatically mute video and sync output to the display device when no active input signal is detected. This allows the projector or flat-panel display to automatically enter into standby mode to save energy and enhance lamp or panel life.
- ▶ **Memory presets** – Memory presets are available to store and recall sizing, centering, detail, contrast, and brightness information.
- ▶ **Aspect ratio control**
- ▶ **Auto-Image™ setup**
- ▶ **Auto Input Memory**
- ▶ **Output color space selectable as RGB or digital component video**
- ▶ **Picture controls for brightness, contrast, detail, horizontal and vertical positioning, sizing, and zoom**
- ▶ **On-screen display**
- ▶ **RS-232 control port**
- ▶ **Internal test patterns for calibration and setup**
- ▶ **1" high, half rack width metal enclosure**

SPECIFICATIONS

VIDEO INPUT		
Number/signal type	1 RGBHV, RGBS, RGsB, HDTV component video (Y, R-Y, B-Y)	
Formats	RGB and HDTV Y, R-Y, B-Y	
VIDEO OUTPUT		
Number/signal type	RGB-DVI 300 1 single link DVI-D RGB-HDMI 300 A 1 single link HDMI	
Formats	RGB and YCbCr digital video	
AUDIO INPUT – RGB-HDMI 300 A		
Number/signal type	1 stereo, unbalanced	
AUDIO OUTPUT – RGB-HDMI 300 A		
Number/signal type	1 stereo, digital LPCM 48 kHz (embedded in HDMI output)	
CONTROL/REMOTE – SCALER		
Serial control ports	1 RS-232, 3.5 mm captive screw connector, 3 pole (rear panel) 1 RS-232, 2.5 mm mini stereo jack (front panel)	
GENERAL		
Power supply	External Input: 100-240 VAC, 50-60 Hz Output: 12 VDC, 1 A, 12 watts	
Power consumption	RGB-DVI 300 Device and power supply 10.0 watts, 100-240 VAC, 50-60 Hz RGB-HDMI 300 A Device and power supply 14.0 watts, 100-240 VAC, 50-60 Hz	
Temperature/humidity	Storage -40° to +158°F (-40° to +70°C) / 10% to 90%, noncondensing Operating +32° to +122°F (0° to +50°C) / 10% to 90%, noncondensing	
Mounting	Rack mount Yes, with optional rack shelf kit and RFF 052 false front Wall mount Yes, with optional under-desk or through-desk mounting kit	
Enclosure dimensions	1.0 H x 8.75" W x 6.0" D (half rack wide) (2.5 cm H x 22.2 cm W x 15.2 cm D) (Depth excludes connectors and knobs.)	
Product weight	1.6 lbs (0.7 kg)	
Vibration	ISTA/NSTA 1A in carton (International Safe Transit Association)	
Regulatory compliance	Safety CE, c-UL, UL EMI/EMC CE, C-tick, FCC Class A, ICES, VCCI Environmental Complies with the appropriate requirements of WEEE.	
MTBF	30,000 hours	
Warranty	3 years parts and labor	
NOTE: All nominal levels are at ±10%.		
Model	Version Description	Part number
RGB-DVI 300	RGB to DVI Scaler	60-906-01

For complete specifications, please go to www.extron.com
Specifications are subject to change without notice.

Worldwide Sales Offices

Anaheim • Raleigh • Silicon Valley • Dallas • New York • Washington, DC • Toronto • Mexico City • Paris • London • Frankfurt
Amersfoort • Moscow • Dubai • Johannesburg • New Delhi • Bangalore • Singapore • Seoul • Shanghai • Beijing • Tokyo

UNITED STATES

+800.633.9876
Inside USA/Canada
+1.714.491.1500

EUROPE

+800.3987.6673
Inside Europe
+31.33.453.4040

ASIA

+800.7339.8766
Inside Asia
+65.6383.4400

MIDDLE EAST

+971.4.299.1800