

# DVI-RGB 200

## DVI TO ANALOG RGB VIDEO INTERFACE

- Converts single link DVI-D to analog RGB video
- Compatible with 28 input rates including WUXGA (1920x1200) and HDTV 1080p/60
- Variable level and peaking controls for analog RGB output
- Buffered local monitor DVI-D output
- EDID Minder™
- DDC routing to local DVI output for EDID and HDCP
- RGBHV, RGBS, or RGSB output



The Extron DVI-RGB 200 converts single link DVI-D signals to analog RGB signals. It is ideal for integrating digital video sources into conventional analog-based A/V systems. The DVI-RGB 200 is equipped with several convenient features for integration including EDID Minder, a buffered DVI input loop-through, and variable level and peaking controls for the analog RGB output.



**Extron® Electronics**  
INTERFACING, SWITCHING AND CONTROL

# DESCRIPTION

The Extron **DVI-RGB 200** converts single link DVI-D signals to analog RGB signals for convenient integration of digital video sources into conventional analog A/V systems. It is compatible with high resolution computer-video signals up to WUXGA (1920x1200) and HDTV up to 1080p/60.

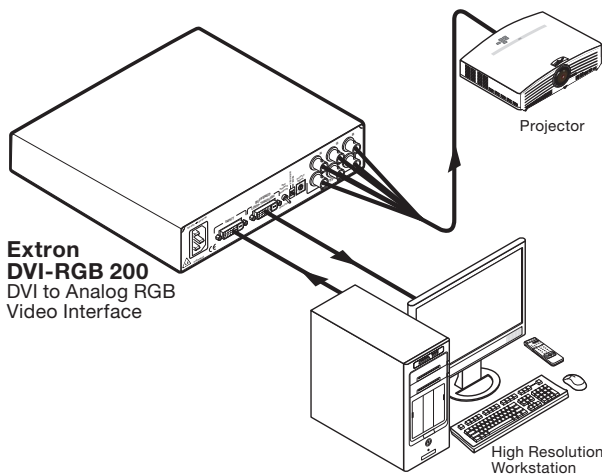
A buffered loop-through provides DVI-D video to a local monitor. In the absence of a local monitor, EDID Minder provides the necessary communication between the DVI-RGB 200 and the DVI input source. EDID Minder is an Extron exclusive technology designed to provide constant and continuous EDID - Extended Display Identification Data management with DVI or VGA source devices. EDID Minder ensures that the source powers up properly and reliably outputs content. Pre-stored EDID is communicated to the source based on a user-selected resolution and refresh rate. Alternatively, the DVI-RGB 200 can be set to capture and store EDID information when connected to a display.

Variable level and peaking controls for the analog RGB output compensate for cable loss over long distances. The DVI-RGB 200 is housed in a 1U, half rack width metal enclosure.

# FEATURES

- Converts single link DVI-D to analog RGB video
- Compatible with 28 input rates including WUXGA (1920x1200) and HDTV 1080p/60
- Variable level and peaking controls for analog RGB output
- Buffered local monitor DVI-D output
- EDID Minder – Automatically manages EDID - Extended Display Identification Data communication between the display and a source connected to the DVI-RGB 200. EDID Minder ensures that the source powers up properly and reliably outputs content.

# APPLICATION DIAGRAM



# SPECIFICATIONS

## VIDEO

**NOTE:** Using an adaptor (the Extron HDMI to DVI-D adapter, part #26-616-01), the DVI-RGB 200 can accept HDMI signals. It converts HDMI digital RGB signals, but does not support the HDMI digital component (YCrCb) signal format.

## VIDEO INPUT AND LOOP THROUGH

Number/signal type..... 1 single link DVI-D digital video input  
 1 single link DVI-D buffered loop-through  
 Connectors..... 1 female DVI-I (DVI input)  
 1 female DVI-I (DVI loop through)

## VIDEO OUTPUT

Number/signal type..... 1 RGBHV, RGsB, RGsB  
 Connectors..... 6 female BNC  
 Level adjustment range..... -3 dB to 6 dB (x0.7 to x2)  
 Peaking adjustment range..... 0 dB to 6 dB (x1 to x2) at 100 MHz  
 Output resolution..... Follows input, determined by the local DVI loop-through monitor or by the selector on this product.

### Resolution selector resolutions and rates

EDID Settings			
Rotary Setting	Resolution	DIP Switch: Refresh Rate	
		Low	High
0	User EDID		
1	800x600	50Hz	60Hz
2	1024x768	50Hz	60Hz
3	1280x720	50Hz	60Hz
4	1280x768	50Hz	60Hz
5	1280x800	50Hz	60Hz
6	1280x1024	50Hz	60Hz
7	1360x768	50Hz	60Hz
8	1366x768	50Hz	60Hz
9	1400x1050	50Hz	60Hz
A	1440x900	50Hz	60Hz
B	1600x1200	50Hz	60Hz
C	1680x1050	50Hz	60Hz
D	1920x1080	50Hz	60Hz
E	1920x1200	50Hz	60Hz
F	TBD	TBD	TBD

Output cable driving distance..... 150' (45 m) at 1600 x 1200 with Extron MHR cable  
 250' (60 m) at 1024 x 768 with Extron MHR cable

## SYNC

Output type..... RGBHV, RGsB, RGsB

## GENERAL

Power..... 100 VAC to 240 VAC, 50-60 Hz, 25 watts, internal  
 Mounting  
 Rack mount..... Yes, with an optional 1U deep rack shelf  
 Furniture mount..... Yes, with optional under-desk mounting kit or through-desk mounting kit  
 Enclosure dimensions..... 1.7" H x 8.7" W x 6.0" D (1U high, half rack wide)  
 4.3 cm H x 22.1 cm W x 15.2 cm D (Depth excludes connectors and knobs.)  
 Product weight..... 1.6 lbs (0.7 kg)  
 Regulatory compliance  
 Safety..... CE, c-UL, UL  
 Compliances..... CE, C-tick, FCC Class A, ICES, VCCI  
 MTBF..... 30,000 hours  
 Warranty..... 3 years parts and labor  
**NOTE:** All nominal levels are at ±10%.

Model	Version Description	Part number
DVI-RGB 200	DVI to Analog RGB Video Interface	60-1064-01

Specifications are subject to change without notice.



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