

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.

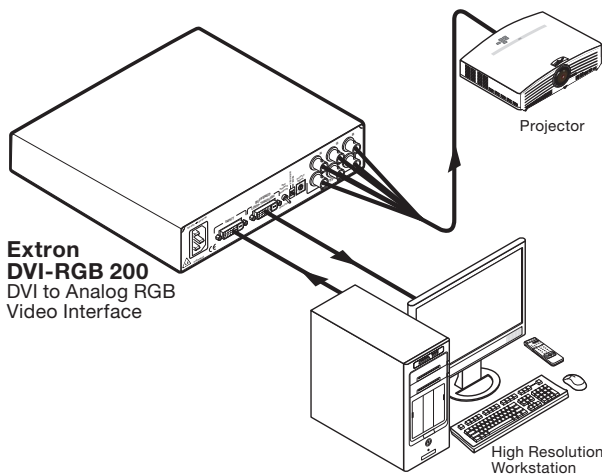
A buffered loop-through provides DVI-D video to a local monitor. In the absence of a local monitor, EDID Minder provides the necessary communication between the DVI-RGB 200 and the DVI input source. EDID Minder is an Extron exclusive technology designed to provide constant and continuous EDID - Extended 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.



Extron **USA - West**
 Headquarters
 +800.633.9876
 Inside USA / Canada Only
 +1.714.491.1500
 +1.714.491.1517 FAX

Extron **USA - East**
 +800.633.9876
 Inside USA / Canada Only
 +1.919.863.1794
 +1.919.863.1797 FAX

Extron **Europe**
 +800.3987.6673
 Inside Europe Only
 +31.33.453.4040
 +31.33.453.4050 FAX

Extron **Middle East**
 +971.4.2991800
 +971.4.2991880 FAX

Extron **Asia**
 +800.7339.8766
 Inside Asia Only
 +65.6383.4400
 +65.6383.4664 FAX

Extron **Japan**
 +81.3.3511.7655
 +81.3.3511.7656 FAX

Extron **China**
 +400.883.1568
 Inside China Only
 +86.21.3760.1568
 +86.21.3760.1566 FAX