

Specifications — DVI-RGB 150 DVI Interface

Video

NOTE The DVI-RGB 150 converts a single link DVI signal to an analog RGB signal.

NOTE Using an adaptor (the Extron HDMI to DVI-D adapter, part #26-616-01), the DVI-RGB 150 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 DVI-D female (DVI input) 1 DVI-D female (DVI loop through)
TMDS nominal level	0.4 V to 0.6 V swing
TMDS impedance	100 ohms
DC offset (max. allowable)	±0.5 V

Video output

Number/signal type	1 RGBHV, RGBS, RGsB
Connectors	6 BNC female
Nominal level	0.7 Vp-p for RGB
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
Impedance	75 ohms
Output resolution	Follows input, determined by the local DVI loop-through monitor or by the selector on this product.

Resolution selector resolutions and rates

Setting	Resolution	Refresh Low	Refresh High
0	640x480	60 Hz	75 Hz
1	800x600	60 Hz	75 Hz
2	852x480	60 Hz	75 Hz
3	1024x768	60 Hz	75 Hz
4	1024x852	60 Hz	75 Hz
5	1280x768	60 Hz	75 Hz
6	1280x1024	60 Hz	75 Hz
7	1365x768	60 Hz	75 Hz
8	1366x768	60 Hz	75 Hz
9	1400x1050	60 Hz	60 Hz
A	1600x1200	60 Hz	60 Hz
B	480p	60 Hz	60 Hz
C	576p	50 Hz	50 Hz
D	720p	50 Hz	60 Hz
E	1080i	50 Hz	60 Hz
F	1080p	50 Hz	60 Hz

Return loss	-35 dB @ 5 MHz
DC offset	±10 mV maximum with input at 0 offset
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, RGBS, RGsB
Output level	TTL (5 Vp-p, unterminated)
Output impedance	75 ohms
Polarity	Positive or negative (follows input)

General

Power	100 VAC to 240 VAC, 50/60 Hz, 25 watts, internal, autoswitchable.
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
Rack mount	Yes, with an optional 1U rack shelf, part #60-190-01 or 60-604-01; or a 1U, 6" deep rack shelf, part #60-190-10 or 60-604-10. Also furniture mountable with an optional MBU 125 under-desk mounting kit, #70-077-01; or MBD 129 through-desk mounting kit, #70-077-02.
Enclosure type	Metal
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)
Shipping weight	4 lbs (2 kg)
Vibration	ISTA 1A in carton (International Safe Transit Association)
Listings	UL, CUL
Compliances	CE, FCC Class A, VCCI, AS/NZS, ICES
MTBF	30,000 hours
Warranty	3 years parts and labor

NOTE *All nominal levels are at ±10%.*

NOTE *Specifications are subject to change without notice.*

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