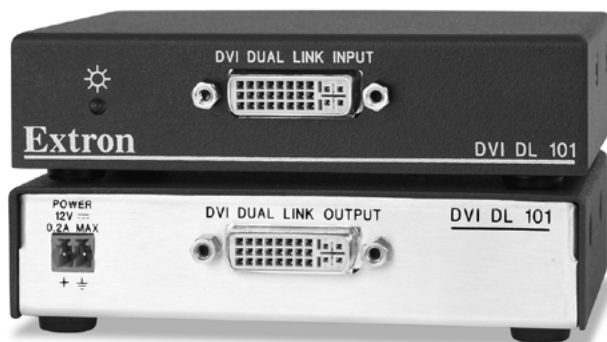


# DVI DL 101

## DUAL LINK DVI CABLE EQUALIZER

- Extends dual link DVI-D signals over DVI cable up to 200 feet (60 meters)
- Compatible with resolutions up to 2560x1600 and HDTV 1080p/60
- Compatible with single link and dual link DVI signals
- Compatible with HDMI signals when used with optional Extron HDMI-DVI adapters
- Automatic active input equalization
- Supports DDC and HDCP
- LED indicator for source signal presence and power



The Extron DVI DL 101 is a dual link DVI equalizer that offers a convenient, economical solution for extending dual link DVI signals up to 200 feet using dual link DVI cables. It automatically provides the necessary active equalization to ensure optimal image quality with high resolution computer-video signals up to 2560x1600 as well as HDTV 1080p/60. The DVI DL 101 is ideal for temporary applications as well as permanent installations that require DVI signals to be sent over lengthy cable runs while maintaining pristine image quality.



# Extron® Electronics

[www.extron.com](http://www.extron.com)

## DESCRIPTION

The Extron **DVI DL 101** is a dual link DVI equalizer that offers a convenient, economical solution for extending dual link and single link DVI signals beyond the specified 5 meter (15 foot) limitation with dual link DVI cables. The DVI DL 101 attaches to the end of a long DVI cable run of up to 200 feet (60 meters). It automatically provides the necessary active equalization to ensure optimal image quality with high resolution computer-video signals up to 2560x1600 as well as all HDTV signals including 1080p/60. The DVI DL 101 is ideal for temporary as well as permanent installations with long DVI cable runs that require reliable presentation of high resolution graphics, including training, simulation, visualization, and command and control environments in medical, university, government, and other applications.

The DVI DL 101 passes EDID - Extended Display Identification Data information and supports the long distance transmission of HDTV signals with HDCP - High-bandwidth Digital Content Protection for copy protection of digital television broadcasts and high resolution digital video output from DTV tuners and DVRs, and Blu-ray Disc players. The DVI DL 101 is fully compatible with HDMI signals when used with the appropriate adapters from Extron.

An LED indicator provides a quick means of verifying power and signal presence from the source. The DVI DL 101 is housed in a compact 1" (2.5 cm) high, quarter rack width enclosure for easy placement and concealment.

## FEATURES

- Extends dual link DVI-D signals over DVI cable up to 200 feet (60 meters)
- Compatible with resolutions up to 2560x1600 and HDTV 1080p/60
- Compatible with single link and dual link DVI signals
- Compatible with HDMI signals when used with optional Extron HDMI-DVI adapters
- Provides automatic equalization to ensure optimized image quality over very long DVI cables
- LED indicator for source signal presence and power
- Supports DDC and HDCP – The DVI DL 101 fully supports long distance transmission of DDC and HDCP signals.
- 1" (2.5 cm) high, quarter rack width metal enclosure
- External universal power supply included

## SPECIFICATIONS

### VIDEO

Maximum data rate .....	10 Gbps (3.3 Gbps per color)
Maximum pixel clock .....	330 MHz (165 MHz per link)
Resolution range .....	Up to 2560x1600 @ 60 Hz
Formats .....	RGB or YCbCr digital video
Standard .....	DVI 1.0, HDMI 1.2

### VIDEO INPUT

Number/signal type .....	1 dual link DVI-D*
Connectors .....	1 female DVI-I
Input cable length .....	Up to 200' (61 m) at 2560x1600 @ 60 Hz
	Longer distances are possible with lower rates and/or high quality cable.

Equalization .....

Automatic for up to -40 dB of cable loss

**NOTE:**\*Also compatible with single link DVI signals; appropriate DVI-D to HDMI adapters required for HDMI signals.

**NOTE:** The transmission distance varies greatly depending on the signal resolution and on the type of cable, graphic card, and display used in the system.

### VIDEO OUTPUT

Number/signal type .....	1 dual link DVI-D*
Connectors .....	1 female DVI-I
Output cable length .....	Up to 16.4' (5 m)

**NOTE:** \*Also compatible with single link DVI signals; appropriate DVI-D to HDMI adapters required for HDMI signals.

### GENERAL

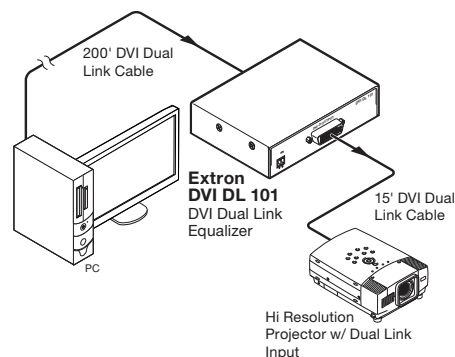
External power supply .....	100 VAC to 240 VAC, 50/60 Hz, external; to 12 VDC, 2 A, regulated
Power input requirements .....	12 VDC, 0.2 A from an external power supply
Cooling .....	Convection, no vents
Mounting Rack mount .....	Yes, with optional 1U, 9.5" deep rack shelf (RSU 129, #60-190-01; 1U, 6" deep rack shelf (RSU 126, #60-190-10; or VersaTools® 1U, 3.5" deep rack shelf (RSF 123, #60-190-20)
Mounting Furniture mount .....	Yes, with optional under-desk mounting kit (MBU 125, #70-077-01)
Enclosure type .....	Metal
Enclosure dimensions .....	1.0" H x 4.3" W x 3.0" D (quarter rack wide) (2.5 cm H x 10.9 cm W x 7.6 cm D)
Product weight .....	0.5 lbs (0.3 kg)
Shipping weight .....	3 lbs (2 kg)
Listings .....	UL, CUL
Compliances .....	CE, FCC Class A, VCCI, AS/NZS, ICES

**NOTE:** All nominal levels are at  $\pm 10\%$ .

Model	Version Description	Part Number
DVI DL 101	Dual Link DVI Cable Equalizer .....	60-962-01

Specifications are subject to change without notice.

## APPLICATION DIAGRAM



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