EDID 101D
EDID 101V

EDID EMULATORS FOR DVI & VGA

- ■ EDID Minder™

- ■ Selectable resolutions and refresh rates

- ■ EDID capture mode

- ■ Remote power capability

- ■ 1" (2.5 cm) high, one-eighth rack width metal enclosure

DIREKTRONIK

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EDID 101D

EDID 101V

The Extron EDID 101D and EDID 101V are EDID Emulators that provide automatic and continuous EDID management with a DVI or VGA source device. They ensure that the source always powers up properly and provides consistent, reliable output of content at the desired resolution and refresh rate.

Extron® Electronics

INTERFACING, SWITCHING AND CONTROL
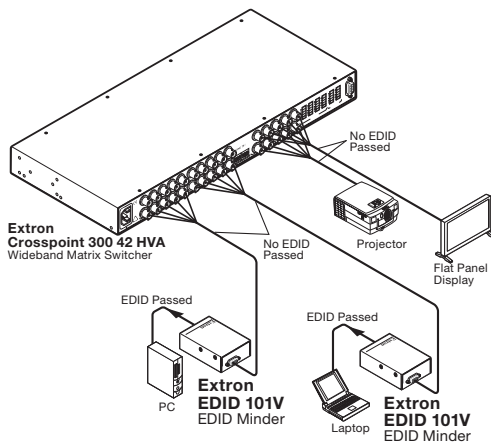
SERVICE SUPPORT SOLUTIONS 3

DESCRIPTION

The Extron **EDID 101D** and **EDID 101V** are EDID Emulators featuring EDID Minder™, 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 EDID emulators can be set to capture and store EDID information when connected to a display. The EDID 101V is for use with VGA sources, while the EDID 101D supports single link and dual link DVI, as well as analog RGBHV. Both models are housed in compact 1" high, one-eighth rack width enclosures for convenient, discreet installation.

FEATURES

■ **EDID Minder** – Automatically manages EDID - Extended Display Identification Data communication between the display and a source connected to the EDID 101V or EDID 101D. EDID Minder ensures that the source powers up properly and reliably outputs content.

■ **Selectable resolutions and refresh rates** – Pre-stored EDID is communicated to the source based on a user-selected resolution and refresh rate.

■ **EDID capture mode** – When connected to a display, the EDID 101V and EDID 101D offer the option of capturing and then storing EDID information from the display device.

■ **Remote power capability** – Both models can be powered through the incoming VGA or DVI source signal, eliminating the need for power supply installation.

■ **1" (2.5 cm) high, one-eighth rack width metal enclosure** – Housed in a compact, durable metal enclosure, the EDID 101V and EDID 101D are small enough to fit anywhere and can be mounted in a rack.

■ **Optional external universal power supply, part # 70-775-01**

APPLICATION DIAGRAM

No EDID Passed

Extron Crosspoint 300 42 HVA Wideband Matrix Switcher

No EDID Passed

Projector

Flat Panel Display

EDID Passed

PC

Extron EDID 101V EDID Minder

EDID Passed

Laptop

Extron EDID 101V EDID Minder

SPECIFICATIONS

NOTE: If you use a DVI-A to 15-pin HD adapter, the EDID 101D can be used for analog signal pass-through.

VIDEO — EDID 101D, DIGITAL SIGNALS

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 and YCbCr digital video
Standards	DVI 1.0, EDID 1.3

VIDEO INPUT — EDID 101D, DIGITAL SIGNALS

Number/signal type	1 dual or single link DVI-D
Connectors	1 female DVI-I

VIDEO OUTPUT — EDID 101D, DIGITAL SIGNALS

Number/signal type	1 dual or single link DVI-D
Connectors	1 female DVI-I

VIDEO — EDID 101D, ANALOG SIGNALS; EDID 101V

Bandwidth	350 MHz (-3dB)
Gain	Unity

VIDEO INPUT— EDID 101D, ANALOG SIGNALS; EDID 101V

Number/signal type	1 analog VGA-UXGA RGBHV, RGBS, RGsB, RsGsBs
Connector	1 female 15-pin HD
Nominal level	0.7 Vp-p for RGB
Minimum/maximum levels	Analog: 0.3 V to 1.5 Vp-p with no offset
Impedance	75 ohms
Horizontal frequency	15 kHz to 145 kHz
Vertical frequency	30 Hz to 170 Hz

VIDEO OUTPUT— EDID 101D, ANALOG SIGNALS; EDID 101V

Number/signal type	1 analog RGBHV, RGBS, RGsB,RsGsBs (follows input)
Connector	1 female 15-pin HD
Minimum/maximum levels	Follows input
Impedance	75 ohms

GENERAL

Power	Supplied by the 5 V signal from a DVI source (pin 14), a VGA* source (pin 9), or from an external power supply

NOTE: *Some VGA source devices do not provide power output.

External power supply	100 VAC to 240 VAC, 50-60 Hz, external; to 12 VDC, 1 A, regulated
Power input requirements	12 VDC, 0.05 A
Cooling	Convection, no vents
Mounting	
Rack mount	Yes, with optional 1U rack shelf
Enclosure type	Metal
Enclosure dimensions	1.0" H x 2.2" W x 3.0" D (one-eighth rack wide) (2.5 cm H x 5.6 cm W x 7.6 cm D)
Product weight	0.4 lbs (0.2 kg)
Shipping weight	2 lbs (1 kg)
Vibration	ISTA 1A in carton (International Safe Transit Association)
Regulatory compliance	
Safety	CE, c-UL, UL
EMI/EMC	CE, C-tick, FCC Class A, ICES, VCCI Class A
Environmental	Complies with the appropriate requirements of RoHS, WEEE
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.

Model	Version Description	Part number
EDID 101D	EDID Emulator for DVI	60-990-01
EDID 101V	EDID Emulator for VGA	60-991-01

Specifications are subject to change without notice.

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