

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



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

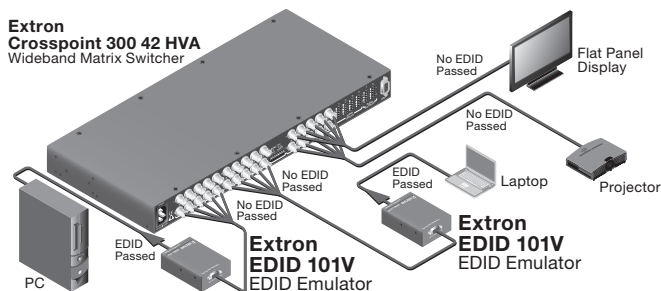
DESCRIPTION

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



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 OUTPUT — EDID 101D, DIGITAL SIGNALS

Connectors	1 female DVI-I
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VIDEO — EDID 101D, ANALOG SIGNALS; EDID 101V

Bandwidth	350 MHz (-3 dB)
Gain	Unity

VIDEO INPUT — EDID 101D, analog signals; EDID 101V

Nominal level	0.7 Vp-p for RGB
Minimum/maximum levels	Analog: 0.3 V to 1.5 Vp-p with no offset
Horizontal frequency	15 kHz to 145 kHz
Vertical frequency	30 Hz to 170 Hz

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

NOTE: The external power supply, Extron part number 70-775-01, is not included.

External power supply	100 VAC to 240 VAC, 50-60 Hz, external; to 12 VDC, 1 A, regulated
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Power input requirements	12 VDC, 0.05 A
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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
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Cooling	Convection, no vents
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Mounting	Yes, with optional 1U rack shelf
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Rack mount	Yes, with optional 1U rack shelf
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Enclosure type	Metal
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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)
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Product weight	0.4 lbs (0.2 kg)
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Shipping weight	2 lbs (1 kg)
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Vibration	ISTA 1A in carton (International Safe Transit Association)
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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

Warranty	3 years parts and labor
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NOTE: All nominal levels are at $\pm 10\%$.

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

For complete specifications, please go to www.extron.com
Specifications are subject to change without notice.

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