What's in the Box?

PART NO.	QTY	DESCRIPTION
EDID-Mirror-1P	1	1-Port DVI-D EDID Emulator
Power Supply	1	PS5VDC2A

Technical Specifications

DVI-D VIDEO	
Format	DVI-D Single Line
Maximum Pixel Clock	165 MHz
Input Interface	(1) DVI-D 29-pin female
Output Interface	(1) DVI-D 29-pin female
Resolution	Up to 1920 x 1200 @60Hz
DDC	5 volts p-p(TTL)
Input Equalization	Automatic
Input Cable Length	Up to 10 ft.
Output Cable Length	Up to 10 ft.
OTHER	
DDC Signal	5 Volts [peak-to-peak], TTL
TDMS Signal	1.2 Volts[peak-to-peak], TTL
Power	External 5VDC2A @ 10W
Dimensions	3.25"W x 1.75"H x 2.175"D
Weight	0.2 lbs.
Approvals	Device: CE, ROHS Power Supply: C-UL US, CE

For more information, visit www.smartavi.com.

Rack Mountable Option

Our SmartRack is the perfect solution to allow virtually all SmartAVI devices to be custom mounted in a standard 19" server rack. The SmartRack is fully adjustable and can secure/organize several devices.

SmartAVI, Inc. / Twitter: smartavi
11651 Vanowen St. North Hollywood, CA 91605
Tel: (818) 503-6200 Fax: (818) 503-6208
http://www.SmartAVI.com

Installation Manual

EDID-Mirror-1P
1-Port DVI-D EDID Emulator

Learn and Emulate the EDID of a DVI-D display

www.smartavi.com

Introduction

Eliminate the Headache of Display Configuration and Auto-detection with SmartAVI's EDID-Mirror. The EDID-Mirror prevents Windows7, XP and Linux from auto-configuring your displays if your computer is started up with the displays disconnected or turned off. Certain operating systems, especially Windows 7, have a display auto-detection feature that can reconfigure your displays if they are not powered on or connected at startup. This can lead to the frustrating task of reconfiguring your displays. The solution is the EDID-Mirror, a DVI-D EDID (Extended Display Identification Data) emulator that provides a constant signal to the computer, regardless of whether the displays are present or not. This ensures that the display configuration is not lost.

Features

- Learns the EDID configuration
- Stores EDID configuration in non-volatile memory so that the unit may be powered off and the configuration will not be lost
- Display can be disconnected as needed without losing EDID configuration
- Uses standard EDID configuration standards
- Compatible with most DVI-D displays and all Windows versions

ABOUT EDID

EDID provides plug-and-play capability to your displays. When you plug a display into your computer, the EDID table in the display tells the computer the optimal resolution to use.

Installation Diagram

Computer

1   1
IN   OUT
EDID-Mirror-1P

1
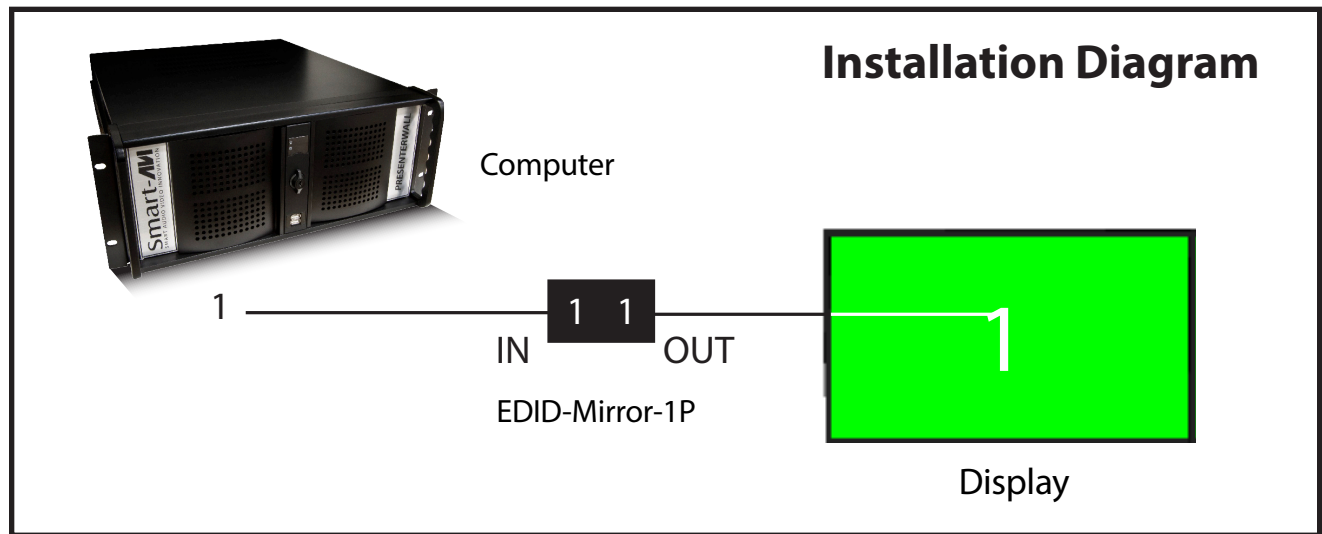
Display

Learning the EDID

1. Disconnect the EDID-Mirror-1P from the computer.
2. Power on the EDID-Mirror-1P by plugging it in.
3. Press the LEARN button three times; wait for both activity lights flash on & off.
4. Connect the EDID-Mirror-1P to the display.
5. Power on the Display.
6. Configure your display as desired.
7. The activity lights on the EDID-Mirror-1P will be steadily illuminated.
8. Press and hold LEARN button until both activity lights turn off (aprox. 2 seconds)
9. Release the learn button
10. Acitivity lights will blink slowly while EDID is learning.
11. When the learning is completed, both activity lights will quickly blink alternately indicating that the EDID has been learned. (If the learning fails, the activity lights will turn off for approximately 2 seconds)
12. Disconnect display and repeat steps 1-11 once more to finalize learning.
13. Plug in and power up the display
14. Connect the EDID-Mirror-1P to the computer.
15. It is now safe to disconnect the DVI-D cable from the display without losing your configuration.
16. The EDID information is stored even if the EDID-Mirror-1P is powered off.

PIN 1
PIN 8
C 1
C 2
C 4
C 5
C 3
PIN 17
PIN 24
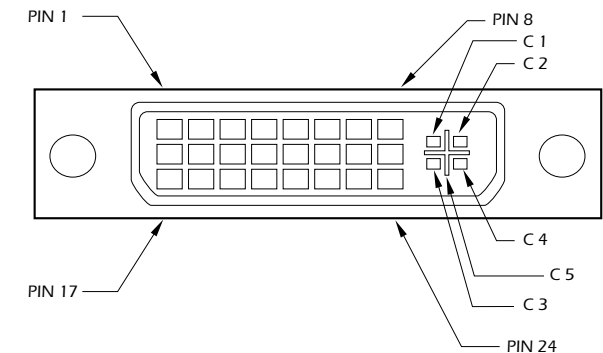
Pin #	Signal	Pin #	Signal
1	T.M.D.S Data 2-	16	Hot Plug Detect
2	T.M.D.S Data 2+	17	T.M.D.S Data 0-
3	T.M.D.S Data 2/4 Shield	18	T.M.D.S Data 0+
4	T.M.D.S Data 4-	19	T.M.D.S Data 0/5 Shield
5	T.M.D.S Data 4+	20	T.M.D.S Data 5-
6	DDC Clock	21	T.M.D.S Data 5+
7	DDC Data	22	T.M.D.S Clock Shield
8	Analog Vert. Sync	23	T.M.D.S Clock+
9	T.M.D.S Data 1-	24	T.M.D.S Clock -
10	T.M.D.S Data 1+		
11	T.M.D.S Data 1/3 Shield	C1	Analog Red
12	T.M.D.S Data 3-	C2	Analog Green
13	T.M.D.S Data 3+	C3	Analog Blue
14	5□□d □6	C4	Analog Horz Sync
15	GND	C5	Analog Ground