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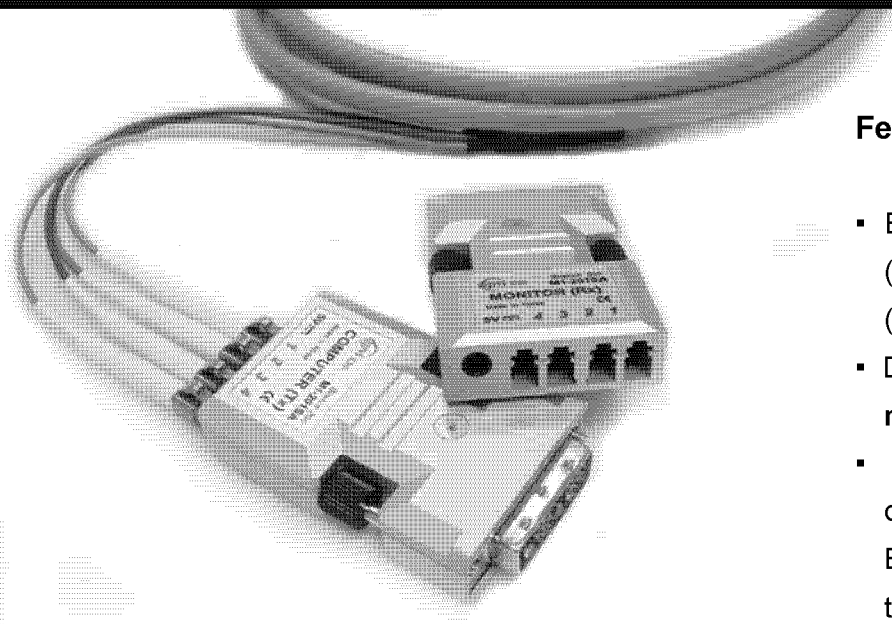
Detachable DVI Extension Module (M1-201SA)

Stretch your Digital Visual Interface with EASY INSTALLATION



Description

The Digital Visual Interface is a high-quality, uncompressed data link between a host processor video card and a display peripheral. Optical technology for this transmission stretches the performance beyond the limitations of copper wire with longer length, data security, negligible RFI/EMI and the elimination of costly analog distribution systems.

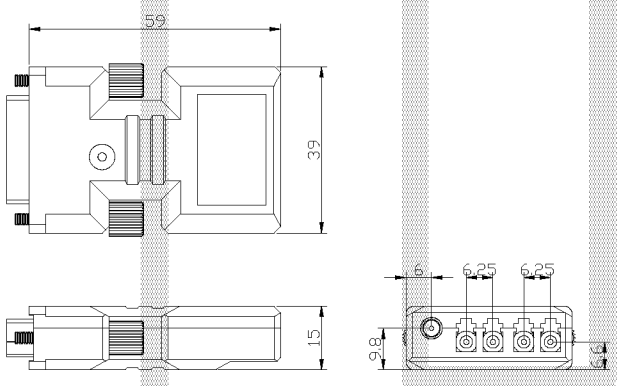
The EDID in a display can be read and restored by just plugging it to the display. This self EDID programming feature makes the installation of M1-201SA more easy and flexile at any variable resolution display systems.

The four (4) optical data, Red, Green, Blue and clock can be extended up to 500 meters (1,640ft) over a pair of LC duplex multi-mode fibers at WUXGA (1,920x1,200) at 60Hz vertical refresh.

An external power adapter is required for the receiver module, while most video cards can provide +5VDC power to the transmitter module. The transmitter and receiver modules are clearly labeled to prevent reverse installation of the modules.

Features

- Extends all VESA resolution up to WUXGA (1920 X 1200) 60Hz DVI data up to 500 meters (1,640 feet).
- Detachable feature with a pair of duplex LC **multi-mode** fibers.
- Offers self EDID programming feature, detecting from a display and restoring to an EEPROM in the transmitter just by plugging to the display without any physical DDC connection.
- The modules are compact enough to directly plug to graphic sources and displays by adopting DVI-plugs.
- Includes two (2) +5V DC power adapters for the transmitter and receiver.
- Complies with Class 1 Laser eye safety in compliance with FDA/CDRH and IEC 60825-1.
- Certifies FCC and CE standards for EMI/RFI emission.
- Data security with negligible RFI/EMI emissions and loss of video quality due to no copper conductor present.



Drawing

Dimension [mm]

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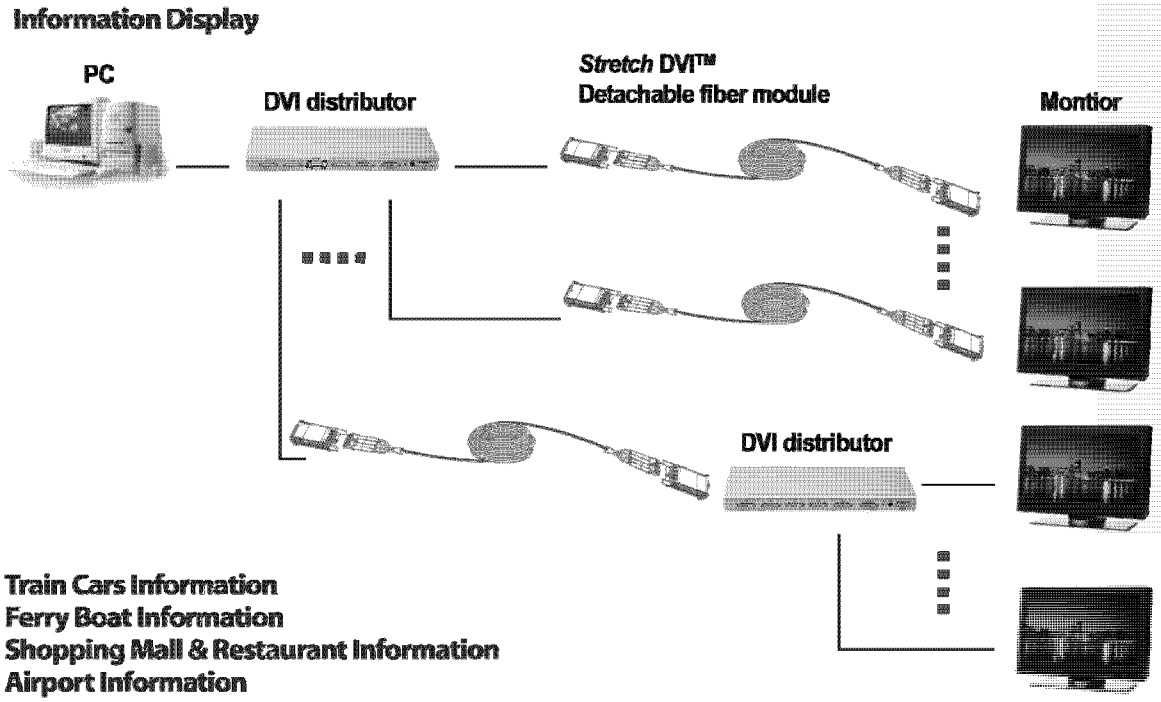
Application



Recommended Operating Conditions

Parameter	Symbol	Min	Typ	Max	Units
Ambient Operating Temperature	T_A	0	25	+ 50	°C
Storage Temperature	T_s	-30		+ 70	°C
Storage Humidity	H_s	10		85	RH%

Electrical Power Supply Characteristics

(T_A = 0 °C to +50 °C, unless otherwise noted)

Parameter		Symbol	Min	Typ	Max	Units
Supply Voltage		V_{CC}	4.5	5	5.5	V
Supply Current	TX	I_{TCC}	-	170	200	mA
	RX	I_{RCC}	-	360	430	mA
Power Dissipation	TX	P_{TX}		0.85	1.10	W
	RX	P_{RX}	-	1.80	2.36	W

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