



Optical DVI/ USB/ RS232 Extender, M5-1003-TR

Description

M5-1003 offers extremely long extension of DVI, USB, serial control data and audio up to 2 km (6,560ft) over single-mode fiber cables with two (2) duplex LC connectors. It is tremendously long over the limits of copper extensions like a few of meter of DVI and USB.

Designed for high resolution performance, it guarantees lossless image quality and no frame dropping to deliver perfect graphic data transmission up to WUXGA (1,900x1,200) at 60Hz refresh rate. It is designed to multiplex and de-multiplex DVI, USB, RS232 and stereo audio so as to be linked over four (4) single-mode LC fibers at 1310nm/1550nm. It provides self EDID programming feature that makes the installation of M5-1003-TR more easy and flexible at any variable resolution.

Optionally, we could include convenient remote console switch and indicator for selecting local control or remote control.

Specification

- Extends DVI, USB, RS232 and Audio with both single and multi-mode fibers.
 - up to 2km (6,560ft) over two (2) duplex LC single-mode fibers.
 - up to 500m (1,640ft) over two (2) duplex LC multi-mode fibers.
- Supports DVI up to resolution of 1,920X1,200, 24bit color and 60Hz refresh rate.
- Offers DVI and USB ports for Local Display and Keyboard/Mouse.
- Lossless Image Quality, with no Frame Dropping.
- Complies with USB2.0 (480Mbps).
- Provides Serial Control Data: RS232 through 9 pin D-sub connector.
- Supports one-directional analog stereo audio.
- Auto EDID features
- Interconnection between TX and RX module: two(2) duplex LC patch cords of single or multi-mode fiber.
- Offers remote console switch and indicators.
- Rack mountable 1U half rack width metal enclosures
- Certifications: CE / FCC, Class 1 Laser Eye Safety

Application

- Medical
- Military and aerospace
- Factory automation and traffic control platforms
- Conference rooms, auditoriums and kiosk systems
- Large scale information display and stadiums

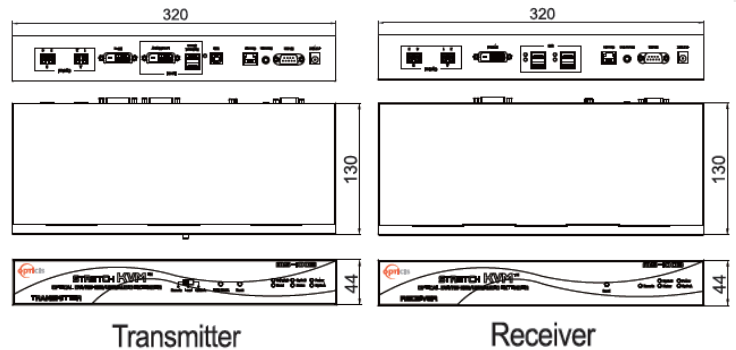
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Technical Features

OPTICAL INTERCONNECTION	
Number	Number
Connectors	Connectors
Wavelength	Wavelength
Transmitter Power	Transmitter Power
Receiver	Receiver
Operating Distance	Operating Distance
VIDEO	
Supported Resolution	Supported Resolution
Pixel data bit depth	Pixel data bit depth
Connectors (Tx)	Connectors (Tx)
Connector (Rx)	Connector (Rx)
USB	
Supported Standard	Supported Standard
Data Rate	Data Rate
Connectors (Tx)	Connectors (Tx)
Connector (Rx)	Connector (Rx)
AUDIO	
Connector for Input	Connector for Input
Connector for Output	Connector for Output
Frequency Response	Frequency Response
Input Impedance	Input Impedance
Output Impedance	Output Impedance
SERIAL DATA COMMUNICATION	
Connector (Tx)	Connector (Tx)
Connector (Rx)	Connector (Rx)
Supported Protocol	Supported Protocol

Dimension

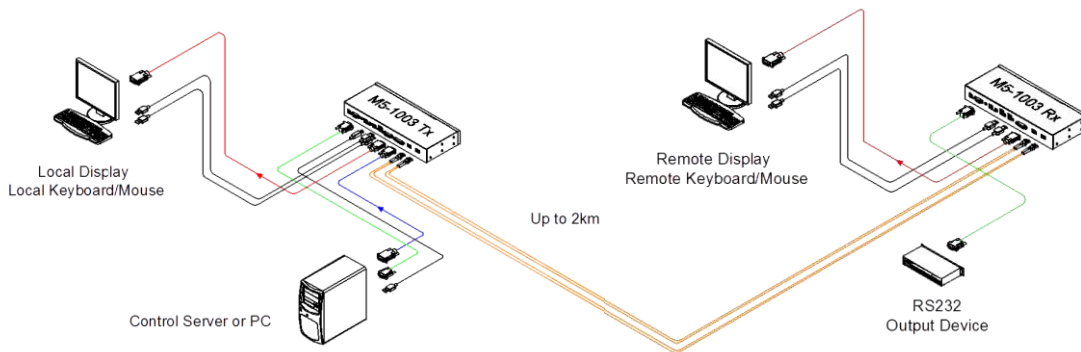
320mm x 130mm x 44mm (WDH)



Recommended Operating Conditions

Parameter	Symbol	Min.	Typ.	Max.	Units
Operating Temp.	T _A	0	25	+ 50	°C
Storage Temp.	T _s	-30		+ 70	°C
Operating Humidity	H _s	10		85	RH%

Connection Diagram



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All contents are subject to be changed without prior notice.