



Optical DVI Extender

Detachable Optical DVI Extender

Description

The M1-2R2H-TR module offers 100 meters extension of high-resolution digital graphic data and multi-channel audio data over fiber, directly connected between HDMI source or PC and displays.

Two boxes, located one in the HDMI source and the other in the display are connected to each of them by a 1.0 m HDMI copper cable. Between two boxes, the 4 LC patch cord fiber bundled cable enables to transmit 4 channels (R,G,B,Clk) of graphic data and multi-channel audio data over it and the HDMI Digital Display Channel (DDC2B) interface is performed over a bundled copper cable, so called as DDC cable, which optionally has RJ-45C connectors.

Drawing

Dimension [mm]



Features

- optic communication links and DDC2B.
- **Extension limit:** 100m (328feet) for 1080p 36bit at 60Hz, WUXGA (1920x1200) at 60Hz refresh rate in ultimate operation.
- **Graphic Transmission Bandwidth:** supports up to 2.25Gbps.
- **Fiber-optic Connection:** The transmitter and receiver boxes of M1-2R2H-TR have 2 duplex LC receptacles connected to four 62.5/125 μ m or 50/125 μ m Multi-Mode fibers cables.
- **Mechanical specifications of Tx and Rx boxes**
 - **Dimensions:** 216mm / 112mm / 44mm (W/D/H)
- **Environmental Specifications**
 - Operating temperature: 0°C to 50°C
 - Storage temperature: - 30°C to 70°C
 - Humidity: 10% to 85%

Applications

- ◆ Medical, military, aerospace, factory, and traffic control integrated digital display systems
- ◆ Digital TFT-LCD and plasma flat panel displays and projectors for conference room, auditorium and kiosk systems.
- ◆ Color LED signboards and panel information displays for airports, stadiums and outdoor advertising.
- ◆ Digital Home Theatre Systems

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