

## Point-to-Point DVI Hybrid Cable, M1-1P0E

### Description

The Digital Visual Interface (DVI) is known for its low cost but with high quality in graphic interface between a host processor video card and a display panel. Optical technology for such transmission stretches the performance beyond the limitations of a copper wire by transmitting data through longer length, but with enhanced security, negligible RFI/EMI rate, and the removal of costly analog distribution systems.

M1-1P0E, a Point-to-Point DVI hybrid cable, has four (4) multi-mode fibers for TMDS transmission and copper wires for DDC/HDCP in a jacket. It transmits uncompressed 2K resolution at 60Hz, 1080p up to 100m (328feet), and supplies +5V DC power either from video sources or external power adapter included in the shipping group.

There are male DVI-D connectors at each end. The high-speed graphic data transmission is accomplished by using a VCSEL array inside the transmitter connector, and a Pin-PD array inside the receiver connector.

### Specification

- Compact design of end connector allows direct connection to the host video card and display
- Adopts LSZH (Low Smoke Zero Halogen) & Halogen-Free hybrid cable
- Extends 2K resolution at 60Hz and delivers 1080p up to 100m (328feet)
- Uses +5V DC power from the video sources or from the adapter in the shipping group
- Auto-power switching
- Supports bit rate up to 1.65Gbps/channel
- Operating temperature: 0 ~ 50°C
- Storage temperature: -30 ~ 70°C
- Input power: +5V 1A
- Size (WDH): 39 x 53 x 15.4mm
- Certifications: CE / FCC

### Applications

- Medical imaging
- Military / Aerospace
- Factory Automation
- Traffic Control Platforms
- Conference rooms
- Auditoriums/ Stadiums
- Home Theatre System

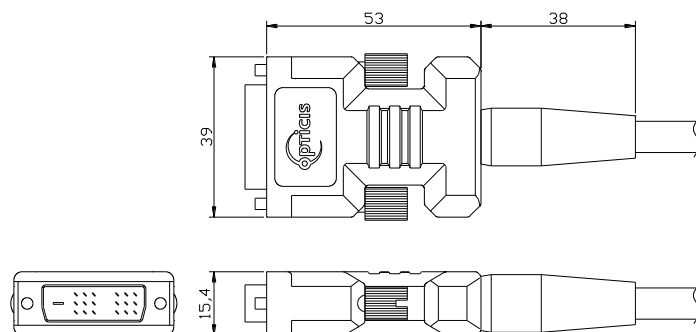
# Point-to-Point DVI Hybrid Cable, M1-1P0E

## Technical Features

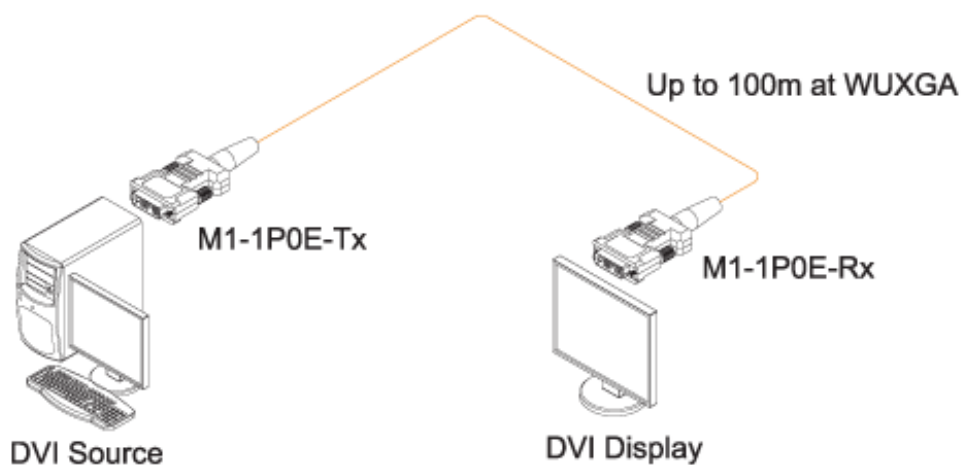
Resolution	Up to 2K resolution at 60Hz or 1080P
Bit rate	Up to 1.65Gbps/ch
Maximum distance	100m (328feet) @WUXGA, 60Hz
Fiber	Hybrid cable with four (4) multi-mode fibers
Power supplying	Auto-switching in Tx, DC Power supply
Size (WDH)	39 x 53 x 15.4mm
Operating temperature	0 ~ 50°C
Storage temperature	-30 ~ 70°C

## Dimension

39 x 53 x 15.4mm (WDH)



## Connection Diagram



**Opticis Co., Ltd.**

3F, 305, Sanseong-daero Sujeong-gu  
Seongnam-si, Gyeonggi-do, 13354 South Korea  
Tel: +82 (31) 719-8033  
Fax: +82 (31) 719-8032

[tosales@opticis.com](mailto:tosales@opticis.com)



*All contents are subject to be changed without prior notice.*