

1-Fiber Detachable DVI Module, DVFX-100



Descriptions

Opticis new 1-fiber series is leading the trends in broad range of applications. Detachable DVI Extender, **DVFX-100** is easy to connect to your existing system, giving you and your customers the confidence that you have the best solution in the market.

With powerful OPTICIS fiber-optic technology, **DVFX-100** is capable of driving uncompressed WUXGA(1920x1200) 60Hz DVI signal up to 500 meters (1640 feet) over one(1) multi-mode fiber.

For better installation flexibility, it features patent pending Self-EDID management, reading and restoring by just plugging to the display. It is also certified with IEC60601-1-2 for medical uses and FCC/CE and Class 3 LASER Industry Safety for various applications.

The Opticis 1-fiber detachable DVI extenders, **DVFX-100**, is sure to advance the connectivity solution to new heights, with some fundamental features that will be of great benefit in technology and cost to industry participants.

Key Features

- Supports up to **WUXGA (1920x1200), 60Hz or 1080P, 36bit**
- Supports bit rate up to **2.25Gbps**.
- Transmits signal up to **500m over Multi-mode fiber**.
- Offers **Self-EDID** function.
- Provides wide operating temperature range, **0-50 degree**.
- Terminated by **SC connector**.
- Provides **Power, Status** (Signal transmission in TX and Signal detection in RX) LED Indicators.
- Small enough to be plugged to DVI sources and displays directly
- Certified by IEC60601-1-2, FCC/CE, Class 3 LASER Industry Safety

Applications

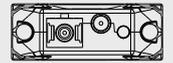
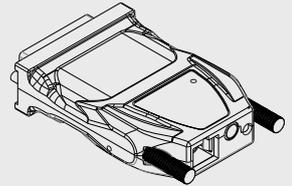
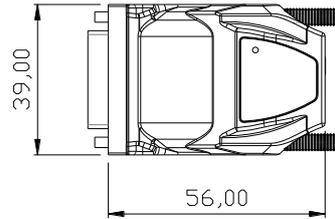
- Medical imaging system
- Video wall system
- Digital signage
- Military / Aerospace
- Broadcast

1-Fiber Detachable DVI Module, DVFX-100

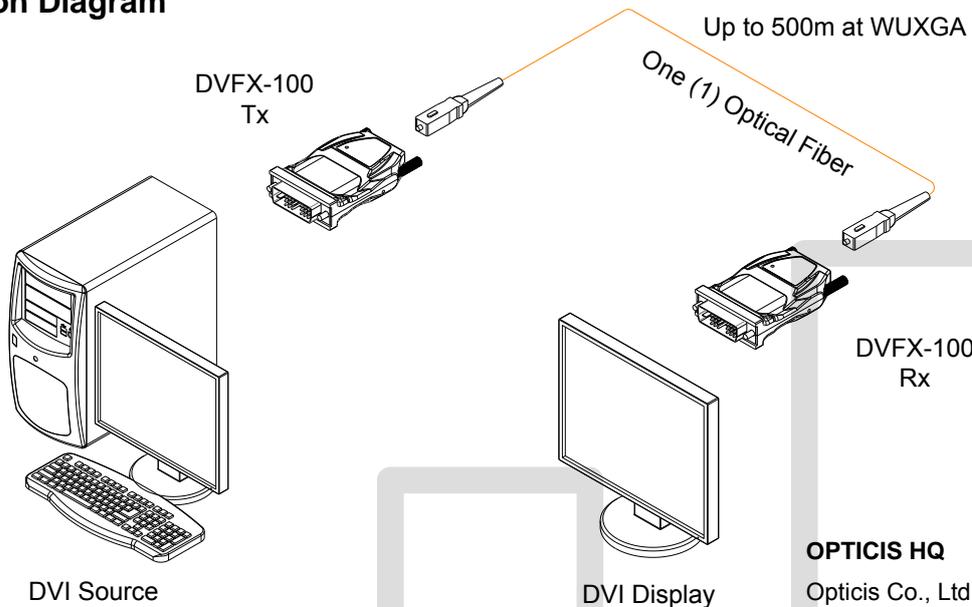
Technical Features

Resolution	Up to WUXGA, 60Hz or 1080P 36bit
Bit rate	Up to 2.25Gbps
Maximum distance	500m @WUXGA, 60Hz with 50um fiber
Fiber	SC terminated 1 core multi-mode fiber
EDID management	Self EDID (Reading from display and storing it in TX)
Power supplying	TX: DVI source or External 5V DC power RX: External 5V DC Power
LED Indicators	TX: Power, Signal transmission RX: Power, Signal detection
Power consumption	TX: 1.2W RX: 0.8W
Size (WDH)	39 x 56 x 14.6mm
Operating temperature	0 ~ 50 °C

Drawing Dimension [mm]



Connection Diagram



OPTICIS HQ