

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.

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- 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



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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℃

Drawing Dimension [mm]









