DVI Extender via One Multimode Fiber Optic Cable up to 3,280 ft

XTENDEX®

Exceed the maximum DVI length with one fiber optic strand.

DIGITAL SIGNAGE

- Complies with DVI 1.0 standards.
- Signal transmission via one strand multimode (50-micron or 62.5-micron) SC fiber optic cable – no RF interference.
- Small form factor – for easy connection and placement.
- Cables can be installed in conduit prior to extender installation.
- Built-in default EDID table can be programmed to support any DVI display device.
- Low RFI/EMI for sensitive applications.
- No software to install.
- The DVI Optical Extender is the ideal solution for a wide range of applications. Examples include:
  - Remote DVI display monitoring for medical, military, aerospace, industrial and traffic control applications.
  - Digital Flat Panel Displays (FPD), Plasma Display Panels (PDP) and projectors in conference rooms and auditoriums.
  - Kiosks with digital FPDs.
  - Color LED signboards, FPDs and PDPs for information display at stadiums.

ST-1FODVI-SC
Receiver and Transmitter

FIBER-S-SCSC-50-xM

The XTENDEX® DVI Extender via Fiber Optic Cable locates a single link digital DVI-D display up to 3,280 feet (1,000 meters) from a computer using a single SC multimode (50-micron or 62.5-micron) fiber optic strand. Each extender consists of a transmitter that connects to a computer and a receiver that connects to a monitor.

Specifications

- Connectors (for transmitter and receiver):
  - One male DVI-D dual link connector.
    - Signal type: single link digital DVI.
  - One female SC fiber connector.
- Supports resolutions up to 1920x1200 (WUXGA); refer to the resolution chart below for resolutions at different lengths.
- Built-in default EDID table can be programmed to support any DVI display device.
- Low RFI/EMI.
- Laser Class 1 Safety compliant.
- Optical source: 850 nm VCSEL.
- Supports 50/125um SC type multi-mode fiber optic cable.
- Frequency Bandwidth : 1.65Gbps (Single Link)

Dimensions

- WxDxH: 1.6x2.6x0.6 in (41x66x15 mm)

Power

- Local unit: powered from attached computer.
- Remote unit: 100 to 240 VAC at 50 or 60 Hz via AC adapter. (US AC adapter included.)

MTBF

- 91,952 hours.

Environmental

- Operating Temperature: 32 to 122°F (0 to 50°C).
- Storage Temperature: -4 to 158°F (-20 to 70°C).

Regulatory Approvals

- CE, FCC, RoHS
- TAA compliant

Package Includes

- DVI optical transmitter.
- DVI optical receiver.
- One power supply.
- User manual.

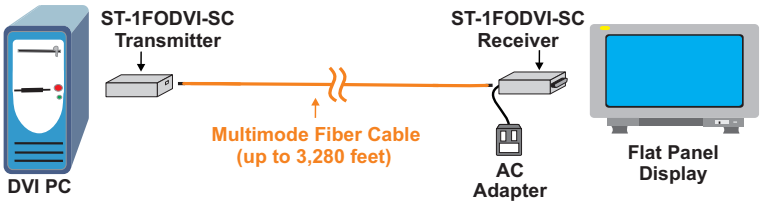
Warranty

- Two years

Cables

- Use a simplex multimode SC 50-micron OM2/OM3 or 62.5-micron OM1 multimode fiber optic cable to extend the receiver from the transmitter up to 3,280 feet (1,000 meters).

Configuration and Cable Illustrations



Distances and Resolutions

Cable	Distance	Maximum Resolution
50-micron	3,280 ft (1,000 m)	1024x768 (XGA)
	2,300 ft (701 m)	1280x1024 (SXGA)
	1,650 ft (503 m)	1600x1200 (UXGA)
	984 ft (300 m)	1920x1200 (WUXGA)
62.5-micron	3,280 ft (1,000 m)	1280x1024 at (SXGA)
	2,300 ft (701 m)	1600x1200 at (UXGA)
	1,650 ft (503 m)	1920x1200 at (WUXGA)

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