

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

Exceed the maximum DVI length with one fiber optic strand.

- 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 single link connector and one 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)

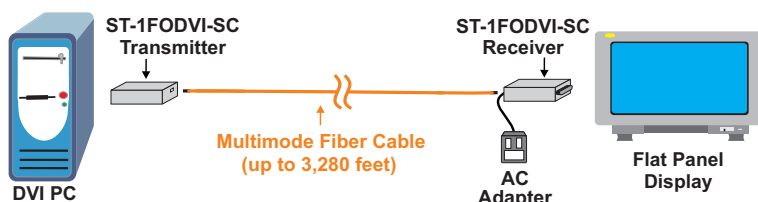
Power

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

Cables

- Use a simplex multimode SC 50-micron (FIBER-S-SCSC-50-xM) or 62.5-micron multimode fiber optic cable to extend the receiver from the transmitter up to 3,280 feet (1,000 meters).

Configuration and Cable Illustrations



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

- FCC, RoHS

Package Includes

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

Warranty

- Two years

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)