

# VGA to DVI Converter/Extender via Fiber Cable to 1,640 ft

## VIDEO CONVERTERS

**Converts 3G-SDI/HD-SDI/SD-SDI to DVI video and extends up to 1,640 feet.**

- Convert a video source with analog VGA signal to a digital DVI signal.
- Use with an optical receiver (ST-1FODVI-R-SC500M) to extend a remote DVI monitor 1,640 ft (500m).
  - Signal transmission via a single-strand (simplex) multimode (50-micron or 62.5 micron) SC fiber optic cable - no RF interference.
- Supports resolutions to 1920x1200 (WUXGA).



**VGA-DVI-FOSC (Front & Back)**

- **Convert VGA into DVI**
- **Extend up to 1,640 feet**

The VGA to DVI Converter/Extender converts analog VGA into a digital DVI signal that can be extended up to 1,640 feet (500 meters) using single-strand (simplex) multimode SC fiber optic cable.

The Converter/Extender system has two components: the VGA converter/transmitter, which connects to the VGA source and also supplies video to a local VGA display, and an ST-1FODVI-R-SC500M receiver that connects to a remote DVI monitor. The units are interconnected by a single-strand multimode SC fiber optic cable.

## Specifications

### CONVERTER (VGA-DVI-FOSC)

#### Video Input

- One female 15-pin HD connector for VGA input.

#### Video Output

- One female 15-pin HD connector for VGA output.
- One female SC fiber connector for optical DVI output.
- Supports resolutions to 1920x1200.

#### Power

- 100 to 240 VAC at 50 or 60 Hz via AC adapter.

#### Environmental

- Operating temperature: 32 to 122°F (0 to 50°C).
- Storage temperature: -22 to 158°F (-30 to 70°C).
- Relative humidity: 0 to 85% non-condensing RH.

#### Dimensions

- WxDxH in: 4.09x4.41x1.10 (104x112x28 mm)

#### Regulatory Approvals

- CE, FCC, RoHS

#### Warranty

- Two years

### Optical Receiver (ST-1FODVI-R-SC500M)

#### Video Input

- One female SC fiber connector for optical DVI input.

#### Video Output

- One male DVI-D single link connector for DVI output.
- Supports resolutions to 1920x1200.

#### Power

- 100 to 240 VAC at 50 or 60 Hz via AC adapter.

#### Environmental

- Operating temperature: 32 to 122°F (0 to 50°C)
- Storage temperature: -22 to 158°F (-30 to 70°C)
- Relative humidity: 0 to 85% non-condensing RH

#### Dimensions

- WxDxH in: 1.54x2.20x0.59 (39x56x15 mm)

#### Regulatory Approvals

- CE, FCC, RoHS

#### Warranty

- Two years.

#### Max Distance

- 1,640 feet (500 meters) over 50µm multimode SC fiber optic cable.

#### Cables

- Use a FIBER-S-SCSC-50-xM (simplex multimode SC 50-micron) fiber optic cable to extend the remote unit up to 1,640 ft (not included).
  - Simplex multimode SC 62.5-micron fiber optic cables are also compatible.

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### Configuration and Cable Illustration

