

3GSDI Extender via One Singlemode FC Fiber Optic Cable

XTENDEX®

Extend a SD/HD/3G-SDI display up to 25 miles (40 kilometers)

- Supports HDTV resolutions to 1080p.
- Signal transmission via one simplex singlemode FC fiber to 25 miles (40 kilometers).
- Simultaneously transmits to two SD/HD/3G-SDI displays at the receiver.
- Supports a local display via loop out SDI connector.
- Transmits RS485 control signal for CCTV applications with PTZ cameras.
- Cables can be installed in conduit prior to extender installation.
- No software to install.



ST-F03GSDI-FC Receiver*

***The transmitter looks the same as the receiver**

The XTENDEX® SD/HD/3G-SDI Extender via Fiber Optic Cable locates up to two displays from a SD/HD/3G-SDI video source up to 25 miles away using a simplex singlemode FC fiber optic cable. Each extender consists of a transmitter that connects to a SD/HD/3G-SDI video source and a local loop out, and a receiver that connects to up to two SD/HD/3G-SDI displays.

Specifications

Local Unit

- One female 75 ohm BNC connector for 3G/HD/SD-SDI video input.
- One female 75 ohm BNC connector for local 3G/HD/SD-SDI loop out video output.
- One female FC fiber connector.
- One 5-pin terminal block for RS485.

Remote Unit

- Two female 75 ohm BNC connectors for 3G/HD/SD-SDI video output.
- One female FC fiber connector.
- One 5-pin terminal block for RS485.

Video

- Supports HDTV resolutions to 1080p.
- Protocols supported: SMPTE 259M, SMPTE 292M, SMPTE 424M.

Power

- 100 to 240 VAC at 50 or 60Hz via AC adapter (country-specific AC adapter included).
- Power consumption: 5W.

Dimensions (WxDxH)

- Local and remote unit:
 - Without connectors and mounting tabs: 5.98x5.16x1.18" (152x131x30 mm).
 - With connectors and mounting tabs: 6.97x5.90x1.18" (176x150x30 mm).

Environment

- Operating temperature: 32 to 140°F (0 to 60°C).
- Storage temperature: -22 to 158°F (-30 to 70°C).
- Operating and storage relative humidity: 20 to 90% non-condensing RH.

Regulatory Approvals

- CE, FCC, RoHS

Warranty

- Two years.

Package Includes

- 3GSDI optical transmitter
- 3GSDI optical receiver
- Two power supplies
- User Manual

Max Distance

- 25 miles (40 km) over 9µm singlemode FC fiber optic cable.

Cables

- Interface cables between the video sources, displays, and the extender are required for proper operation.
- RG-6 18 AWG solid 75 Ohm coaxial cable terminated with BNC connectors are recommended for use (such as Belden 1694A) (not included).
 - Maximum coaxial cable distance between source or display to the unit:
 - ◆ SD/HD-SDI: 650 ft (198 m)
 - ◆ 3G-SDI: 450 ft (137 m)
- Use a simplex singlemode FC 9-micron fiber optic cable to extend the receiver from the transmitter up to 25 miles (40 kilometers) (not included).

Configuration and Cable Illustrations

