

# Low-Cost HDMI Extender via One SC Singlemode Fiber Optic Cable

XTENDEX®

## Extend an HDMI display up to 12.4 miles (20 km)

- Signal transmission via single-strand singlemode SC fiber optic cable - no RF interference.
- Supports HDTV resolutions to 1080p.
- HDMI features supported:
  - Deep Color
  - Dolby TrueHD, DTS-HD Master Audio, Dolby Digital, and DTS
  - Bandwidth up to 10.2 Gbps
- Full IR control
- HDCP compliant.
- Plug and play functionality - no software needed.
- Low RFI/EMI for sensitive applications.
- Built-in default EDID table.
- Supports the DDC2B protocol.
- Cables can be installed in conduit prior to extender installation.
- Integrated mounting brackets for easy surface/wall mounting.



**XTENDEX ST-FOHD-SC-ULC  
(Remote and Local Unit)**



The XTENDEX® HDMI Extender via Fiber Optic Cable transmits digital video, audio and IR signals up to 12.4 miles (20 kilometers) away from an HDMI source using a single SC singlemode fiber optic strand. Each extender consists of a transmitter that connects to an HDMI source and IR emitter, and a receiver that connects to an HDMI display and IR receiver.

## Specifications

### Local Unit

- One female HDMI connector.
- One 3.5mm port for IR emitter (included).
- One simplex SC fiber optic port for sending video/audio signals, IR signal, and DDC signal.

### Remote Unit

- Resolutions supported by built-in EDID table: 480p @ 60Hz, 576p @ 50Hz, 720p @ 50/60Hz, 1080p @ 50/60Hz.
- One female HDMI connector.
- One 3.5mm port for IR receiver (included).
- One simplex SC fiber optic port for sending video/audio signals, IR signal, and DDC signal.

### Power

- Local and remote unit: 100 to 240 VAC at 50 or 60Hz via AC adapter.
- Input voltage: 5VDC.
- Power consumption: 5W each.

### Environmental

- Operating temperature: 32 to 140°F (0 to 60°C).

### Dimensions

- WxDxH (in): 5.39x3.07x0.91 (137x78x23 mm)

### Regulatory Approvals

- CE, RoHS

### Warranty

- Two years.

### Max Distance

- 12.4 miles (20 km) over 9.0µm singlemode SC fiber optic cable

### Cables

- Use a simplex SC singlemode 9-micron fiber optic cable to extend the receiver from the transmitter up to 12.4 miles (20 km).
- Cables not included.

### Package Includes

- One transmitter unit
- One receiver unit
- One IR emitter
- One IR receiver
- Two power supplies
- User manual

## Configuration and Cable Illustration

