

# HDMI OVER FIBER EXTENDER

**BRAND: PRITECH**

**MODEL: PA-IPFOHD-LC**

**(LOCAL & REMOTE UNIT)**



## OVERVIEW:

HDMI Extender Over IP via Fiber Optic Cable transmits digital video, embedded audio, and IR signals up to 24.8 miles (40 kilo meters) away from an HDMI source using a single LC single mode Fiber optic strand or 984 feet (300 meters) using OM3 LC multimode Fiber optic cable.

Each HDMI Extender Over IP consists of a local unit that connects to an HDMI source and also supplies video to a local monitor, and a remote unit that connects to an HDMI display. The local and remote units can be connected together for a Point-to-Point connection via Fiber Optic Cable or a Point-to-Many connections via a network switch. Support for multiple transmitters requires a managed network switch.

## FEATURES:

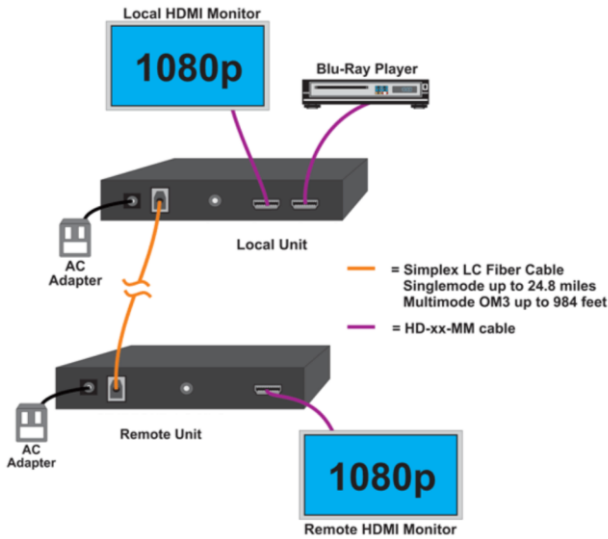
- Signal transmission via single-strand LC Fiber optic cable.
- Supports HDTV resolutions to 1080p.
- Cascade network switches to extend the length longer distances.
- HDMI features supported:
  - HDMI 1.3
  - 36-bit Deep Colour
  - RGB, YCbCr 4:4:4, and YCbCr 4:2:2
  - LPCM
  - Bandwidth up to 4.46 Gbps
- HDCP 1.4 compliant.
- Full Infrared Remote (IR) control of HDMI source from remote HDTV using existing source remote control.
- For a point-to-many connections, a standalone network with an unmanaged SFP network switch, hub, or router can be used instead of a managed SFP network switch.
- Support for multiple transmitters (many-to-many connection) requires a managed SFP switch with VLAN support. Standard LAN switches can only support one transmitter.
- Plug-and-Play installation allows receivers to find the transmitters automatically on the same subnet.
- Local and remote units must be in the same LAN. The units do not support WAN connections.
- Buffered HDMI input loop-through.
- Built-in default EDID table.
- Cables can be installed in conduit prior to extender installation.
- Integrated mounting brackets for easy surface/wall mounting.
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- Each HDMI Extender Over IP consists of a local unit that connects to an HDMI source and also supplies video to a local monitor, and a remote unit that connects to an HDMI display.
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- Support for multiple transmitters requires a managed network switch

## SPECIFICATIONS:

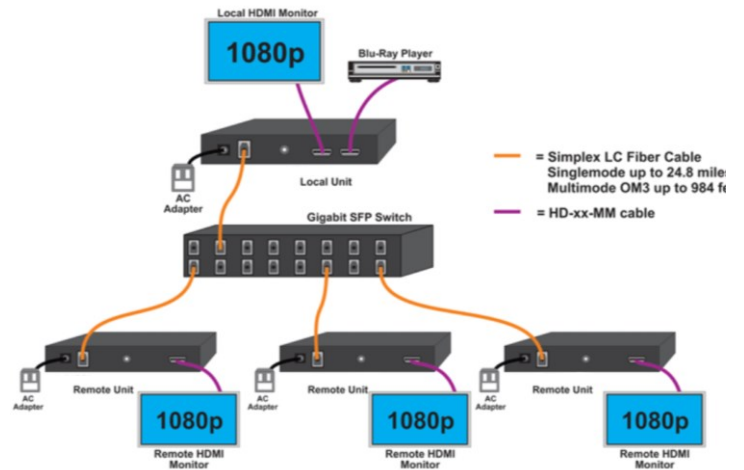
<b>Local Unit</b>	One female HDMI connector for source connection. One female HDMI connector for local monitor. Supports HDTV resolutions to 1080p @60Hz. One 3.5mm port for IR emitter (included). IR frequency range: 20 to 60 kHz. One simplex LC Fiber optic port for sending/receiving video/audio and IR signals. Supports HDCP 1.4.
<b>Remote Unit</b>	One female HDMI connector for monitor. Supports HDTV resolutions to 1080p @60Hz. One 3.5mm port for IR receiver (included). IR frequency range: 20 to 60 kHz. One simplex LC Fiber optic port for sending/receiving video/audio and IR signals. Encoding delay: 100 ms latency Supports HDCP 1.4.
<b>Power</b>	Local and remote unit: Input: 100 to 240 VAC at 50 or 60Hz via AC adapter. (Country-specific power supplies included.) Output: US power supply: 5VDC, 2A UK, EU, AUS power supplies: 5VDC, 3A Power consumption: 3W each.
<b>Environmental</b>	Operating temperature: -4 to 140°F (-20 to 60°C). Storage temperature: -22 to 158°F (-30 to 70°C). Operating relative humidity: 0 to 90% non-condensing RH.
<b>Dimensions</b>	WxDxH (in): 5.43x3.21x0.94 (138x82x24 mm) Max Distance: 24.8 miles (40 km) over 9µm single mode LC Fiber optic cable. 984 feet (300 meters) over 50µm OM3 (or better) multimode LC Fiber optic cable.
<b>Cables</b>	Use a simplex LC single mode 9-micron Fiber optic cable to extend the receiver from the transmitter up to 24.8 miles (40 km). Use FIBER-AD-SS-SCFLCM to convert a male simplex SC single mode connector to a male simplex LC single mode connector. Use a simplex LC multimode 50-micron OM3 (or better) Fiber optic cable to extend the receiver from the transmitter up to 984 feet (300 meters). Use HD-xx-MM cables to connect an HDMI source or display up to 50 feet. Use DP-HD-xx-MM cables to connect a DisplayPort source up to 15 feet. Use DVI-HD-xM-MM cables to connect a DVI source up to 5 meters. Use USB3C-HD4K-xx-MM to connect a USB-C or Thunderbolt 3 device up to 10 feet. Cables not included.
<b>Regulatory Approvals</b>	CE, FCC, RoHS

# DIAGRAM :

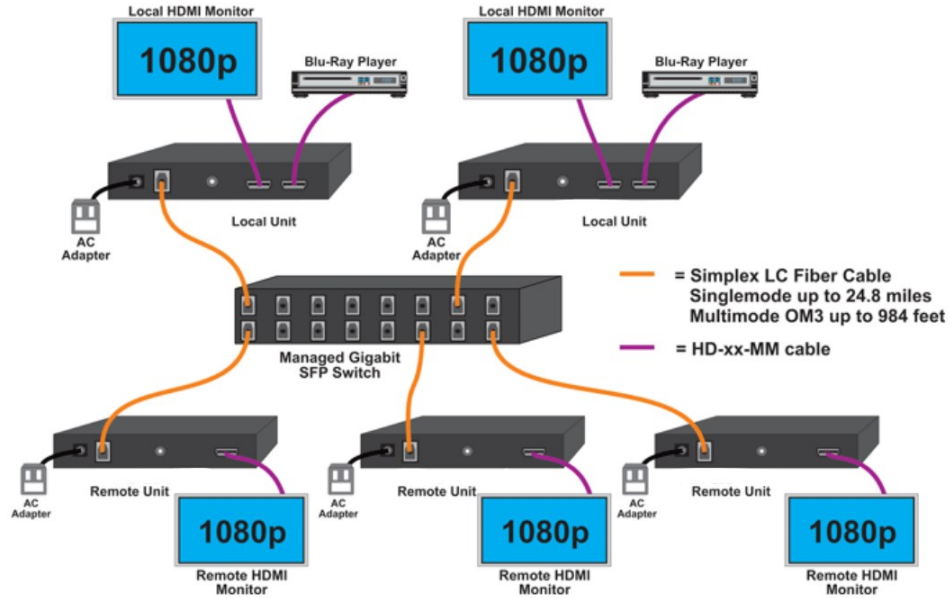
## POINT-TO-POINT CONNECTION



## POINT-TO-MANY CONNECTIONS USING AN UNMANAGED GIGABIT SFP SWITCH



## MANY-TO-MANY CONNECTIONS USING AN UNMANAGED GIGABIT SFP SWITCH



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