Extend an HDMI display up to 393 feet away from the source using gigabit Ethernet.

- Supports HDTV resolutions up to 1080p.
- Ideal solution for digital signage applications.
- Power over Ethernet (PoE) - power supply not required at the local or remote unit.
- Broadcast real-time HDMI video and audio signals to multiple display locations with a managed or unmanaged (also known as non-managed) network switch.
- Support for multiple transmitters requires a managed network switch with VLAN support. Standard LAN switches can only support one transmitter.
  - Each VLAN acts as a separate HDMI Over IP Channel on the network.
  - Number of local and remote units that can be used is dependent on the backbone bandwidth of the switch.
- Transmits an HDMI signal over one CAT5e/6/7 cable.
- Full Infrared Remote (IR) control of HDMI source from remote HDTV using existing source remote control.
- Plug-and-Play installation allows receivers to find the transmitter automatically on the same subnet. (Network configuration may be required for managed network switch.)
- Web interface for firmware updates.
- Easily expandable. Add remote units as you add monitors.
  - Supports a maximum of 253 receivers.
  - Inexpensive CAT5e/6/7 cable replaces bulky video cables.
  - Supports 10/100/1000 Ethernet connection.
- Built-in default EDID table.
- HDCP compliant.
- Local and remote units must be in the same LAN. The units do not support WAN connections.

**Specifications**

**Local Unit**
- One female HDMI-A port for source connection.
- One female 1000Mbps RJ45 port for sending high definition video/audio signals and DDC signal.
- One female 3.5mm port for IR transmitter (included).
  - IR frequency range: 20 to 60 Khz.
- Class 3 PoE compatible (10 watts maximum).
- Supported input resolutions: 480i@60Hz, 480p@60Hz, 576i@50Hz, 576p@50Hz, 720p@50/60Hz, 1080i@50/60Hz, 1080p@50/60Hz.
- Codec: H.264
- Encoding delay: 22 mS at 30fps latency

**Power**
- Power over Ethernet: With a switch that supports Power over Ethernet, a power supply is not required at the local or remote unit.
- Local and remote unit:
  - Input: 100 to240 VAC at 50 or 60 Hz via AC adapter (not included).
  - Output: 5VDC, 3.0A.
- Power Consumption:
  - Local: 3.5W
  - Remote: 3.0W

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

**Dimensions**
- WxDxH (in): 4.13x3.72x0.94 (105x95x24 mm)

**Remote Unit**
- One female HDMI-A port for HDTV display.
- One female 1000Mbps RJ45 port for receiving high definition video/audio signals.
- One female 3.5mm port for IR receiver (included).
  - IR frequency range: 20 to 60 Khz.
- Class 3 PoE compatible (10 watts maximum).
- Supported output resolutions: 480i@60Hz, 480p@60Hz, 576i@50Hz, 576p@50Hz, 720p@50/60Hz, 1080i@50/60Hz, 1080p@50/60Hz.
- Supports embedded digital audio through HDMI compatible TVs or audio receivers.

**Max Distance**
- 393 feet (120 meters) over Cat5e/6/7 cable.

**Cables**
- Use HD-xx-MM cable to connect an HDMI source or display up to 50 feet away (not included).
- Use DVI-HD-xx-MM cable to connect a DVI source or display up to 50 feet away (not included).
- Use CAT5e/6/7 straight through cable for TIA/EIA-568B wiring terminated with standard RJ45 connectors.

**Regulatory Approvals**
- CE, FCC, RoHS

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Low-Cost HDMI Over Gigabit IP Extender with IR and Power over Ethernet (POE)

XTENDEX®

Extend an HDMI display up to 393 feet away from the source using gigabit Ethernet.

Configuration and Cable Illustrations

Point-to-Point Connections

Point-to-Many Connections

Many-to-Many Connections

| Low-Cost HDMI Over Gigabit IP Extender with IR and Power Over Ethernet (POE) |
|-------------------|------------------|
| NTI Part #        | Local or Remote Unit |
| ST-IPHD-POELC     | Local and Remote   |
| ST-IPHD-R-POELC   | Remote             |