

Low-Cost HDMI Over IP Extender: Extend up to 330 feet

XTENDEX®

Extend an HDMI Plasma/LCD display up to 330 feet away from the source.

- Supports HDTV resolutions to 1080p and computer resolutions to 1920x1200.
- Ideal solution for digital signage applications.
- Broadcast real-time HDMI video and audio signals to multiple display locations with a managed or non-managed network switch.
- Transmits an HDMI signal over one CAT5e/6 cable.
- Plug-and-Play installation allows receivers to find the transmitters automatically on the same subnet. (Network configuration may be required for managed network switch.)
- Web interface for changing IP addresses, firmware updates and resetting units to factory default settings.
- Easily expandable. Add remote units as you add monitors.
- Inexpensive CAT5e/6 cable replaces bulky video cables.
- Supports 10/100 Ethernet connection.
- Built in default EDID table.
- HDCP compliant.
- Support for multiple transmitters requires a managed network switch with VLAN/IGMP support. Standard LAN switches can only support one transmitter.
 - The managed switch must support port based IEEE 802.1Q VLAN, IGMP, and permit duplicate IP addresses across the VLAN domains.
 - 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 backplane bandwidth of the switch.
 - Cascade manage switches up to 3 levels, allowing the farthest display to be located up to 1,000 feet away from the source device. Each receiver can be located up to 330 feet away.
- If a non-managed network switch is used for a point-to-many connection, it is not recommended to use other network devices on the same switch as it may cause a degradation in performance.
- Uses M-JPEG technology to process image compression on a fixed bandwidth.
 - Note: at high resolutions, characters on PCs get noticeably fuzzy due to image compression and decompression process.
- Local and remote units must be in the same LAN. The units do not support WAN connections.



ST-IPHD-LC



The XTENDEX® Low-Cost HDMI Over IP Extender multicasts digital video and audio signals to one or more receivers up to 330 feet away using CAT5e/6 cable.

Each Low-Cost HDMI Over IP Extender consists of a local unit that connects to an HDMI source, 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 CATx or a Point-to-Many connection via a network switch. Support for multiple transmitters requires a managed network switch.

Specifications

Local Unit

- One female HDMI-A port for source connection.
- One female RJ45 port for sending high definition video/audio signals.

Remote Unit

- One female HDMI-A port for HDTV or computer display.
- One female RJ45 port for receiving high definition video/audio signals.
- Supports HDTV resolutions to 1080p and computer resolutions to 1920x1200.
- Supports embedded digital audio through HDMI compatible TVs or audio receivers.

Power

- Local and remote unit: 110 or 240 VAC at 50 or 60 Hz via AC adapter (US AC adapters included).
- Power consumption: 3W each.

Environment

- Operating and storage temperature: 14 to 140°F (-10 to 60°C).
- Operating and storage relative humidity: 20 to 90% non-condensing RH.

Cables

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

Dimensions

- WxDxH: 2.28x4.33x1.02 in (58x110x26 mm)

Regulatory Approvals

- CE, FCC, RoHS

Warranty

- Two years.

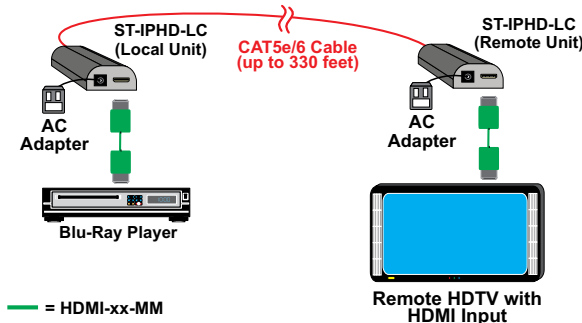
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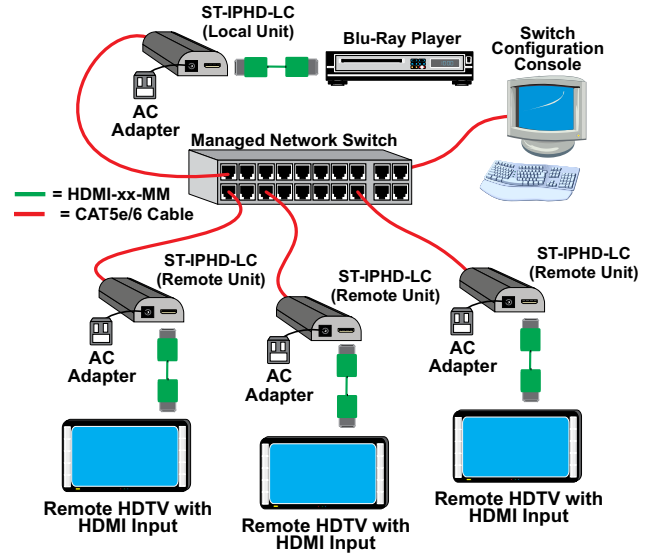
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Configuration and Cable Illustrations

Point-to-Point Connection



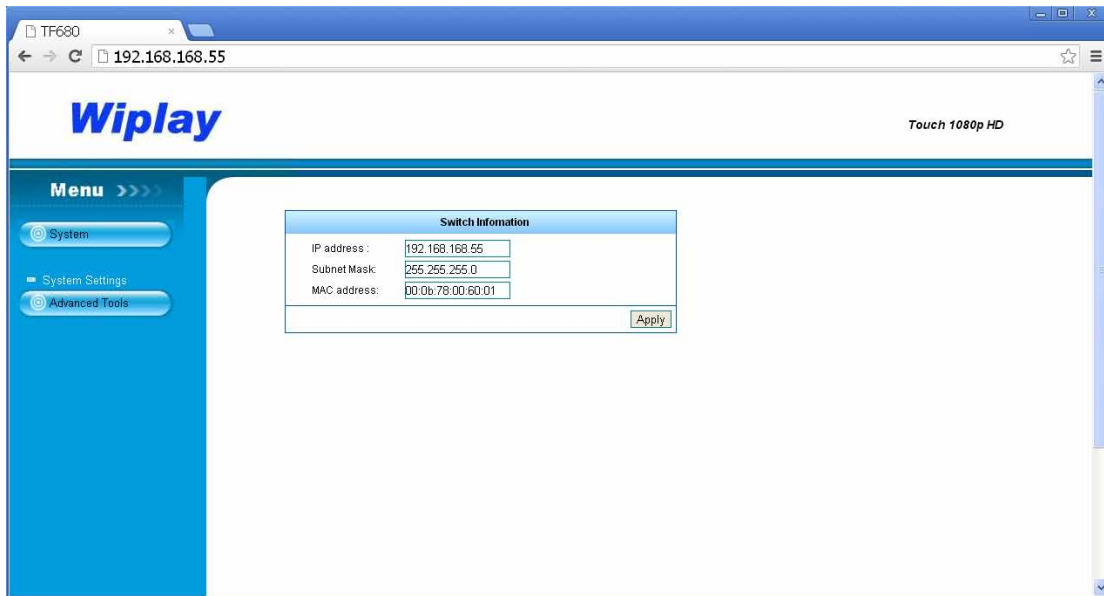
Point-to-Many Connections



Low-Cost HDMI Over IP Extender Models

NTI Part #	Local or Remote Unit
ST-IPHD-LC	Local and Remote
ST-IPHD-R-LC	Remote

How to Access the Web Interface to Change Units IP Address



After connecting the unit directly to the computer using CATx cable, temporarily set your computer's IP address to 192.168.168.xx to match the unit. Open a web browser and input the unit's factory default IP address: 192.168.168.55 (local) or 192.168.168.56 (remote), into the address bar. Change the IP addresses of the units to match your network's subnet. Revert your computer's network configurations to its original settings. The web interface can now be accessed through the newly assigned IP addresses.