

NTI st-iphd-lc Low-Cost HDMI Over IP Extender (Transmitter/Receiver) Kit via CATx to 330 feet

The XTENDEX® Low-Cost HDMI Over Gigabit IP Extender multicasts digital video and audio signals to one or more receivers up to 330 feet away over a 1000Base-T Gigabit Network connected with CAT5e/6 cable.

Each Low-Cost HDMI Over Gigabit 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.

Features

- Supports HDTV resolutions to 1080p.
- Ideal solution for digital signage applications.
- Broadcast real-time HDMI video and audio signals to multiple display locations with a managed or unmanaged (also known as 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 10/100/1000 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.
- For a point-to-many connection, a standalone network with an unmanaged network switch, hub, or router can be used instead of a managed network switch.
 - It is not recommended to use any other network devices on this standalone network 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.