

# HDMI HDBase-T Extender with IR & Optional RS232/Ethernet via One CAT6a/7 XTENDEX®

## Extend HD 1080p, multi-channel audio, IR, optional RS232/Ethernet up to 600 feet over HDBase-T technology

- Transmits an uncompressed high speed HDMI signal over one CAT6a/7 solid cable.
- Supports HDTV resolutions to 1080p and computer resolutions to 1920x1200.
  - Extend up to 450 feet with solid CAT5e/6 cable.
  - Extend up to 600 feet with solid CAT6a/7 cable (23 AWG).
  - Extend up to 5,600 feet when combined with NTI's ST-FOHD-LC HDMI Extender via Fiber Optic Cable.
- Full Infrared Remote (IR) control of HDMI source from remote HDTV using existing source remote control.
- Only one power supply is necessary to power both the local and remote units.
- HDMI features supported:
  - x.v.Color, sYCC601 color, Adobe RGB Color and Adobe YCC601 color
  - Dolby TrueHD, DTS-HD Master Audio, Dolby Digital, and DTS
  - Bandwidth up to 154 MHz (3.76 Gbps)
  - Support for CEC (consumer electronic control) compatible devices.
  - Lip Sync
- HDCP compliant.
- Supports the DDC2B protocol.
- Available options: SPDIF digital audio, bi-directional RS232 + SPDIF digital audio + stereo audio, bi-directional RS232 + Ethernet, or bi-directional RS232 + Ethernet + SPDIF digital audio + stereo audio.
  - Optional Ethernet port on the transmitter and receiver for connecting network devices such as 100Base-T routers, hubs, smart TVs or smart Blu-Ray players.
- Integrated mounting brackets for easy surface/wall mounting (ST-C6HDE-HDBT, ST-C6HDA-HDBT, ST-C6HDAE-HDBT only).
- High quality, rugged steel construction with durable powder coat finish.

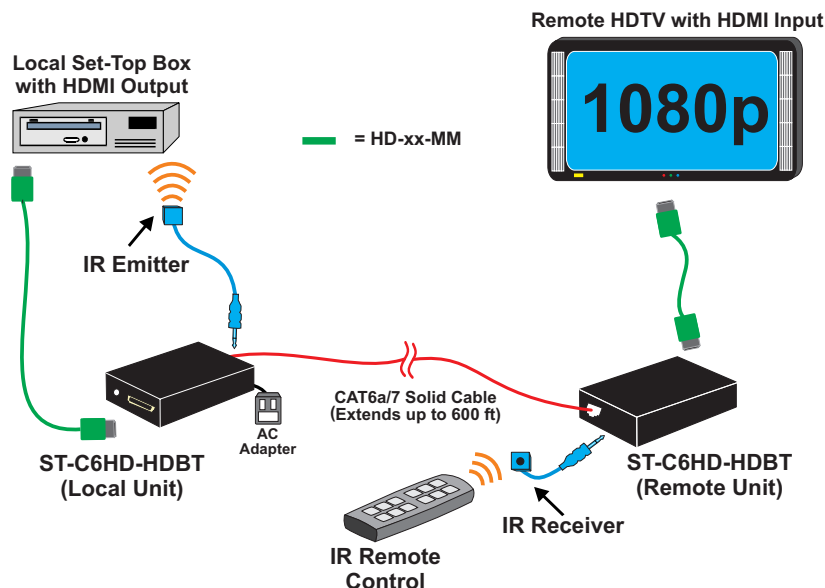


**ST-C6HD-DA-HDBT  
(Local and Remote Units)**

- **Extend 1080p video & IR control to 600 ft via One CAT6a/7 Solid Cable**
- **Optional RS232, Ethernet, SPDIF Digital Audio, Stereo Audio**
- **Only One Power Supply Required**

The XTENDEX® HDMI HDBase-T Extender transmits uncompressed digital HDMI signal, IR, optional RS232, optional Ethernet, optional SPDIF digital audio, and optional stereo audio and optional SPDIF digital audio up to 600 feet over a single CAT6a/7 solid cable using HDBase-T technology. Each video extender consists of a local unit that connects to an HDMI source and a remote unit that connects to an HDMI display.

## Configuration and Cable Illustration



# HDMI HDBase-T Extender with IR & Optional RS232/Ethernet via One CAT6a/7

**XTINDEX®**

**Extend HD 1080p, multi-channel audio, IR, optional RS232/Ethernet up to 600 feet over HDBase-T technology**

## Specifications

### Local Unit

- Compatible with a computer or HDTV video source with HDMI output.
- ST-C6HD-HDBT: one female HDMI connector; one female 3.5mm port for IR emitter (included); one female RJ45 port for sending/receiving high definition video, audio, IR, and DDC signals.
- ST-C6HD-DA-HDBT: one female HDMI connector; one female 3.5mm port for IR emitter (included); one RCA jack for SPDIF digital audio; one female RJ45 port for sending/receiving high definition video, audio, IR, and DDC signals.
- ST-C6HDE-HDBT: one female HDMI connector; one female 3.5mm port for IR emitter (included); one female RJ45 port for RS232; one female RJ45 100BaseT Ethernet port for connecting network device such as a 100Base-T router, hub, or smart Blu-Ray player; one female RJ45 port for sending/receiving HD video, audio, IR, DDC, Ethernet, and RS232 signals.
- ST-C6HDA-HDBT: one female HDMI connector; one female 3.5mm port for IR emitter (included); one RCA jack for SPDIF digital audio; one 3.5mm port for stereo audio; one female RJ45 port for RS232; one female RJ45 port for sending/receiving high definition video, audio, IR, DDC and RS232 signals.
- ST-C6HDAE-HDBT: one female HDMI connector; one female 3.5mm port for IR emitter (included); one RCA jack for SPDIF digital audio; one 3.5mm port for stereo audio; one female RJ45 port for RS232; one female RJ45 100BaseT Ethernet port for connecting network device such as a 100Base-T router, hub, or smart Blu-Ray player; one female RJ45 port for sending/receiving HD video, audio, IR, DDC, Ethernet, and RS232 signals.

### Dimensions

- ST-C6HD-HDBT and ST-C6HD-DA-HDBT WxDxH (in): 2.54x3.08x1.08
- ST-C6HDE-HDBT, ST-C6HDA-HDBT, and ST-C6HDAE-HDBT WxDxH (in): 6.06x3.05x1.08

### Power

- Powered from a single power supply attached to either the local or remote unit.
- Local or remote unit: 100 to 240 VAC at 50 or 60 Hz via AC adapter. (Country-specific AC adapter included.)

### Environmental

- Operating temperature: 32 to 122°F (0 to 50°C).
- Storage temperature: -20 to 140°F (-30 to 60°C).

- Operating/storage relative humidity: 17 to 90% non-condensing RH.

### Remote Unit

- Supports HDTV resolutions to 1080p and computer resolutions to 1920x1200.
- ST-C6HD-HDBT: one female HDMI connector; one female 3.5mm port for IR receiver (included); one female RJ45 port for sending/receiving high definition video, audio, IR, and DDC signals.
- ST-C6HD-DA-HDBT: one female HDMI connector; one female 3.5mm port for IR receiver (included); one RCA jack for SPDIF digital audio; one female RJ45 port for sending/receiving high definition video, audio, IR, and DDC signals.
- ST-C6HDE-HDBT: one female HDMI connector; one female 3.5mm port for IR receiver (included); one female RJ45 port for RS232; one female RJ45 100BaseT Ethernet port for connecting network device such as a 100Base-T router, hub, or smart TV; one female RJ45 port for sending/receiving HD video, audio, IR, DDC, Ethernet, and RS232 signals.
- ST-C6HDA-HDBT: one female HDMI connector; one female 3.5mm port for IR receiver (included); one RCA jack for SPDIF digital audio; one 3.5mm port for stereo audio; one female RJ45 port for RS232; one female RJ45 port for sending/receiving high definition video, audio, IR, DDC, and RS232 signals.
- ST-C6HDAE-HDBT: one female HDMI connector; one female 3.5mm port for IR receiver (included); one RCA jack for SPDIF digital audio; one 3.5mm port for stereo audio; one female RJ45 port for RS232; one female RJ45 100BaseT Ethernet port for connecting network device such as a 100Base-T router, hub, or smart TV; one female RJ45 port for sending/receiving HD video, audio, IR, DDC, Ethernet, and RS232 signals.

### Cables

- Use HD-xx-MM cable to connect an HDMI source or display.
- Use DVI-HD-xx-MM cable to connect a DVI source or display.
- Use CAT5e/6/7 straight through cable for TIA/EIA-568B wiring terminated with standard RJ45 connectors (not included).
  - CAT5e/6 solid: up to 450 feet.
  - CAT6a/7 solid (23 AWG): up to 600 feet.

### Regulatory Approvals

- CE, RoHS

### Warranty

- Two years Remote Unit

### HDMI HDBase-T Extender Models

NTI Part #	Supported Features
ST-C6HD-HDBT	HDMI, IR
ST-C6HD-DA-HDBT	HDMI, IR, SPDIF Audio
ST-C6HDE-HDBT	HDMI, IR, RS232, Ethernet
ST-C6HDA-HDBT	HDMI, IR, SPDIF Audio, Stereo, Audio, RS232
ST-C6HDAE-HDBT	HDMI, IR, SPDIF Audio, Stereo Audio, RS232, Ethernet