

# HDMI Extender with IR & Stereo Audio Option via One CATx

**XTENDEX®**

## Extend an HDMI Display and IR Signal up to 300 Feet (91 Meters)

- Transmits HDMI signal over one CAT5e/6/7 cable
- Optional support for Infrared Remote (IR) control
- Supports HDTV resolutions to 1080p and computer resolutions to 1920x1200 (WUXGA)
- Available with optional stereo audio
- HDMI features supported:
  - 12-bit Deep Color
  - x.v.Color
  - Dolby TrueHD, DTS-HD Master Audio, Dolby Digital, DTS
  - Bandwidth up to 225 MHz (6.75 Gbps)
  - Support for CEC (consumer electronic control) compatible devices
  - Lip Sync
  - HDCP compliant
  - Supports the DDC2B protocol
- Only one power supply to power both the local and remote units

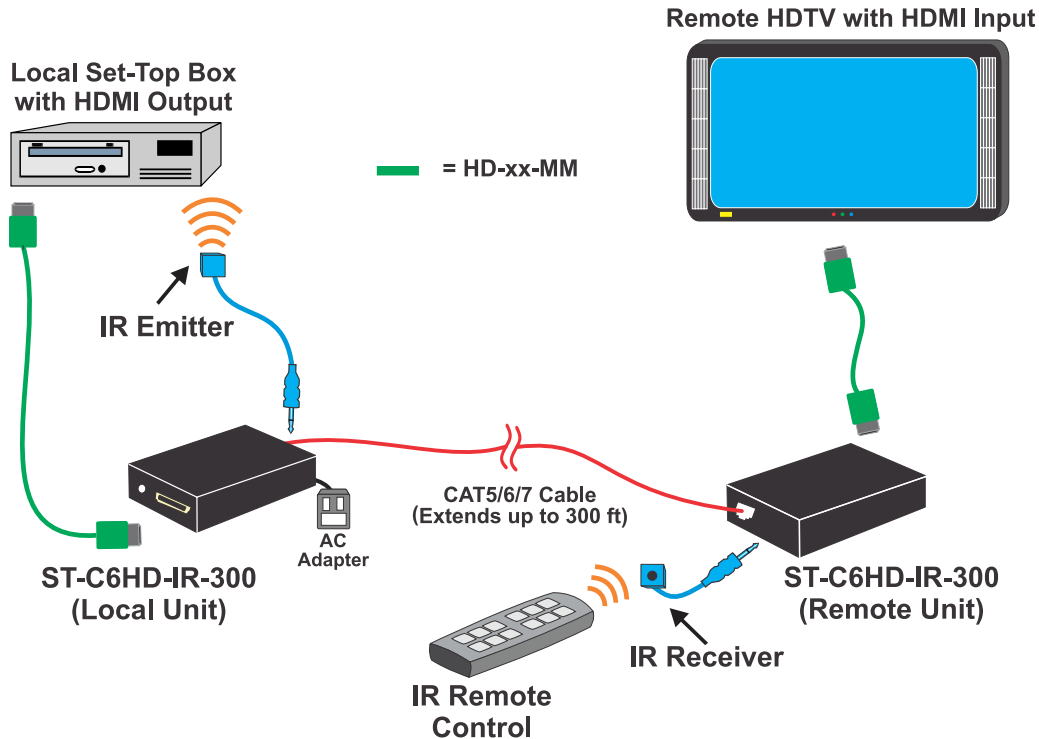


**HDMI™**  
HIGH-DEFINITION MULTIMEDIA INTERFACE

### XTENDEX® ST-C6HD-IR (Local and Remote Unit)

- **Optional Support for IR Control & Stereo Audio**
- **Extend to 300 ft (91 m) via One CAT6 Cable**
- **Only One Power Supply Required**

The XTENDEX® HDMI Extender transmits digital video and audio signals up to 300 feet (91 meters) using one CAT5e/6/7 cable. Each video extender consists of a local unit that connects to an HDMI source and optional IR emitter, and a remote unit that connects to an HDMI display and optional IR receiver.



# HDMI Extender with IR & Stereo Audio Option via One CATx

XTENDEX®

## Extend an HDMI Display and IR Signal up to 300 Feet (91 Meters)

### Specifications

#### Local Unit

- Compatible with a computer or HDTV video source with HDMI output.
- One female HDMI connector.
- Optional IR extension support: one female 3.5mm port for IR emitter.
- Optional stereo audio support: 3.5mm jack.
- One female RJ45 port for sending/receiving high definition video/audio signals, IR signal, CEC signal, and DDC signal.

#### Remote Unit

- One female HDMI connector for display.
- Optional IR extension support: one female 3.5mm port for IR receiver.
- Optional stereo audio support: 3.5mm jack
- One female RJ45 port for sending/receiving high definition video/audio signals, IR signal, CEC signal, and DDC signal.
- Supports HDTV resolutions to 1080p and computer resolutions to 1920x1200 (WUXGA).
- Supports embedded digital audio through HDMI compatible TVs or audio receivers.

#### Optional Stereo Audio

- Stereo audio can be heard both locally and remotely.
- Frequency response: 20 Hz to 20 kHz, &plusmn;1 dB.
- Signal-to-Noise Ratio (SNR): 76 dBA.
- Total Harmonic Distortion and Noise (THD+N): 0.017%.
- Stereo crosstalk: -70 dB.
- Input impedance: 10k Ohms.
- Line level output; supports multimedia speakers.
- Maximum I/O levels: 3.1Vp-p (line level).
- CD quality audio output.

#### 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.)

#### 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 SA-xx-MM cable with units with stereo audio option to connect a stereo audio source or speakers.
- Use CAT5e/6/7 straight through cable for TIA/EIA-568B wiring terminated with standard RJ45 connectors (not included).
- ST-C6HD-IR-300: IR transmitter/receiver 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: 5 to 90% non-condensing RH.

#### Dimensions

- WxDxH: 2.5x3.1x1.2 in (64x79x31 mm)

#### Regulatory Approvals

- CE, RoHS

#### Warranty

- Two years

Distances and Resolutions for CAT5e, CAT6 and CAT7 Cables

Cable	Distance	Maximum Standard Resolution
CAT5e Solid	100 ft (30 m)	1080p / 24Hz
		1080i / 60Hz / 12-bit
		720p / 60Hz / 12-bit
CAT5e Stranded UTP	100 ft (30 m)	1080p / 24Hz
		1080i / 60Hz / 12-bit
		720p / 60Hz / 12-bit
CAT6 Solid UTP	50 ft (15 m)	1080p / 60Hz / 12-bit
		1920x1200 / 60Hz / 8-bit
	75 ft (22 m)	1080p / 60Hz / 10-bit
		1080i / 60Hz / 12-bit
		1920x1200 / 60Hz / 8-bit
	150 ft (45 m)	1080p / 60Hz / 8-bit
		1080i / 60Hz / 12-bit
		720p / 60Hz / 12-bit
	200 ft (60 m)	1080p / 24Hz
		1080i / 60Hz / 12-bit
720p / 60Hz / 12-bit		
250 ft (76 m)	1080p / 24Hz	
	1080i / 60Hz / 8-bit	
	480p / 60Hz / 12-bit	
300 ft (91 m)	480p / 60Hz / 12-bit	
	800x600 / 75Hz / 8-bit	
CAT7 Solid STP	200 ft (60 m)	1080p / 60Hz / 8-bit
		1080i / 60Hz / 12-bit
	279 ft (85m)	1080p / 24Hz
		1080i / 60Hz / 8-bit
		480p / 60Hz / 12-bit

HDMI Extender Models	
Supported Features	NTI Part #
HDMI	ST-C6HD-300
HDMI + IR	ST-C6HD-IR-300
HDMI + Stereo Audio	ST-C6HD-A-300
HDMI + Stereo Audio + IR	ST-C6HD-AIR-300

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