**HDMI over CAT5 HDBaseT Extender - RS232 - IR - Ultra HD 4K - 330 ft (100m)**

*StarTech ID: ST121UTPHD2*

The StarTech.com HDBaseT extender kit, extends HDMI up to 330 feet (100 Meters) over a single CAT5e or CAT6 cable. The extender supports Ultra HD and Full HD resolutions (4K / 1080p) with support for 3D and the accompanying 7.1 digital audio. For added versatility the transmitter and receiver can be used to transmit IR and RS232 serial communication over the same cable. The versatility of this video extender makes it an ideal solution for digital signage applications.

## What is HDBaseT?

HDBaseT is a standardized, zero latency, video distribution technology that's revolutionizing HDMI distribution. HDBaseT uses an advanced method of modulation that enables you to distribute uncompressed HDMI audio and video along with additional signals such as 100BaseT Ethernet, IR, RS-232 serial and power over cable.

## Extend More with HDBaseT

The extender offers HDBaseT technology with HDMI, IR, and RS232 control in a single CAT 5 extender kit, for complete end-to-end control. Offering greater versatility than traditional HDMI extenders or HDMI cabling alone HDBaseT is the clear choice for every integrator and system designer. The IR extension enables you operate your display and an IR-enabled source device, such as a Blu-ray player or TV Set top box, from either end of your extension. While RS232 control let you to connect a serial I/O device at your display - an ideal solution for

adding a serial touch screen interface to your remote display.

## Astonishing Picture Quality from an Impressive Distance

With the A/V industry quickly adopting 4K as the new high-resolution video standard, long range video distribution can be a challenge with standard HDMI cables beginning signal degradation at 30 feet.

With support for 4K you'll be amazed at how HDBaseT maintains your Ultra HD picture quality, four times the resolution of high-definition 1080p, even at 330 feet away from your video source. Plus, because the extender is still backward compatible with High-Definition 1080p displays and video sources, you can rest assured this extender will make your video source look great in any remote digital signage application.

## Simplify Your Setup

This extender has been specially crafted for a smooth, tidy installation. HDBaseT technology allows for single cable installation, for seamless integration using existing CAT5e or CAT6 infrastructure, avoiding the hassle of running multiple cables, while reducing potential failure points. Mounting hardware is also built-in to both the extender and receiver for discrete, professional mounting.

The ST121UTPHD2 is backed by a 2-year StarTech.com warranty and free lifetime technical support.

**Applications**

- Position a display/monitor in a convenient viewing area while the transmitting content over a CAT5 cable from a cleaner, more secure environment
- Ideal for digital signage applications in financial, educational, medical and business sectors
- Perfect for video conferencing solutions in boardrooms and office settings
- Optimize placement of your demo stations at trade-shows and in auditoriums

**Features**

- With HDBaseT extend HDMI, IR, and RS-232 through one CAT5e or CAT6 cable
- Astonishing picture quality with support for resolutions up to UltraHD 4K
- Hassle-free installation with a single CAT5e or CAT6 cable and built-in mounting hardware
- 100m (330ft) maximum Cat5e or CAT6 cable distance
- Supports bi-directional RS232 and IR extension
- Dolby® TrueHD, DTS-HD MA Audio
- RS232 interface supports up to 115200bps full-duplex data rate
- No software or drivers required

**Technical Specifications**

| | |
|---|---|
| Warranty | 2 Years |
| Audio | Yes |
| Cabling | Cat 5 UTP or better |
| Daisy-Chain | No |
| Industry Standards | High Speed HDMI® and HDCP compliant |
| Ports | 1 |
| Audio Specifications | Supports Dolby® TrueHD, DTS-HD MA |
| IR Interface | Bi-directional<br>38Khz / ±10° / 5M |
| Max Distance | 100 m / 330 ft |
| Maximum Data Transfer Rate | HDMI® - 3.4Gbps<br>RS232 - 115200bps baud |
| Maximum Digital Resolutions | 4K |
| Supported Resolutions | 3840x2160 (4K)<br>2560x1600<br>1920x1200<br>1920x1080 (1080p)<br>1280x720 (720p) |
| Wide Screen Supported | Yes |
| Local Unit Connectors | 1 - DB-9 (9 pin; D-Sub) Female |
| Local Unit Connectors | 1 - IrDA (Infrared; SIR/FIR) |
| Local Unit Connectors | 1 - RJ-45 Female |
| Local Unit Connectors | 2 - HDMI (19 pin) Female |
| Remote Unit Connectors | 1 - DB-9 (9 pin; D-Sub) Male |
| Remote Unit Connectors | 1 - HDMI (19 pin) Female |
| Remote Unit Connectors | 1 - RJ-45 Female |
| Remote Unit Connectors | 2 - IrDA (Infrared; SIR/FIR) |
| OS Compatibility | OS Independent |
| System and Cable Requirements | 1X Standard CAT5 cable<br>1X HDMI Cable for Remote Unit (Local Cable Included) |
| LED Indicators | 1 - HDCP (Green) |
| LED Indicators | 1 - Mode (Green) |
| LED Indicators | 1 - Power (Green) |
| LED Indicators | 1 - RJ45 Link (Green) |
| Center Tip Polarity | Positive |

| | |
|---|---|
| Input Current | 0.6 |
| Input Voltage | 110 ~ 240 AC |
| Output Current | 1.24A |
| Output Voltage | 12 DC |
| Plug Type | M |
| Power Source | 2 AC Adapters Included |
| Humidity | 0-95% |
| Operating Temperature | 0°C to 70°C (32°F to 158°F) |
| Storage Temperature | -20°C to 85°C (-4°F to 185°F) |
| Color | Black |
| Enclosure Type | Steel |
| Product Height | 1 in [25 mm] |
| Product Length | 5.9 in [150 mm] |
| Product Weight | 10.8 oz [305 g] |
| Product Width | 3.1 in [80 mm] |
| Shipping (Package) Weight | 52.9 oz [1500 g] |
| Included in Package | 1 - Local HDMI® Extender Unit |
| Included in Package | 1 - Remote HDMI® Receiver Unit |
| Included in Package | 1 - IR Receiver Cable |
| Included in Package | 1 - IR Transmitter Cable |
| Included in Package | 1 - HDMI Cable - 4 ft (1.2 Meters) |
| Included in Package | 2 - Universal Power Adapter NA / UK / EU |
| Included in Package | 1 - User Manual |

**Certifications, Reports and Compatibility**

RoHS Compliant
Available

CE

FC