

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

Product 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.

### Certifications, Reports and Compatibility



### 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

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

<b>Power</b>	Center Tip Polarity	Positive
	Input Current	0.6
	Input Voltage	110V-240V AC
	Output Current	1.24A
	Output Voltage	12 DC
	Plug Type	M
	Power Consumption (In Watts)	12
	Power Source	2 AC Adapters Included
<b>Environmental</b>	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)
<b>Physical Characteristics</b>	Color	Black
	Enclosure Type	Steel
	Product Height	25 mm [1 in]
	Product Length	150 mm [5.9 in]
	Product Weight	579 g [20.4 oz]
	Product Width	80 mm [3.1 in]
<b>Packaging Information</b>	Shipping (Package) Weight	1.5 kg [3.4 lb]
<b>What's in the Box</b>	Included in Package	1 - Local HDMI® Extender Unit
		1 - Remote HDMI® Receiver Unit
		1 - IR Receiver Cable
		1 - IR Transmitter Cable
		1 - HDMI Cable - 4 ft (1.2 Meters)
		2 - Universal Power Adapter NA / UK / EU
		1 - User Manual

Product appearance and specifications are subject to change without notice.