

## HDMI over CAT5 HDBaseT Extender - Power over Cable - Ultra HD 4K - 230 ft (70m)

StarTech ID: ST121HDBTE



The StarTech.com HDBaseT extender kit, extends HDMI up to 230 feet (70 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 digital audio. For added versatility, both the transmitter and receiver can be powered by the same single power source using Power Over Cable (POC). The versatility of this video extender makes it an ideal solution for digital signage applications in large buildings such as commercial shopping centers, stadiums, schools, and hospitals.

### 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 and Power in a single extender kit, for complete end-to-end solution. Offering greater versatility than traditional HDMI extenders or HDMI cabling alone HDBaseT is the clear choice for every integrator and system designer. The added benefit of power over cable means you'll only need one power source at either side of your extension, great for extending video to areas where power outlets

may be limited, such as industrial sites.

## **Astonishing 4K 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 130 feet away from your video source. Plus, because the extender supports High-Definition 1080p and lower resolutions at 230 feet away, you can comfortably use this extender to make any video source look great, while future proofing your setup for 4K implementation.

## **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 Ethernet cables while, reducing potential failure points. Plus, the added benefit of power over cable means you'll only need one power source to power both your extender and receiver, great for extending to areas where power outlets may be limited. Mounting hardware is also included for both the extender and receiver for discrete, professional mounting.

The ST121HDBTE is backed by a 2-year StarTech.com warranty and free lifetime technical support.

### **Applications**

- Extend HDMI when power outlets are limited, with only a single power adapter required at either the Transmitter or Receiver, using Power Over Cable
- Place the display in a convenient viewing area, while the system equipment is placed elsewhere in a clean and secure environment
- Optimize placement of your demo stations at tradeshow and in auditoriums

## Features

- Extend video where power outlets are limited with power over cable that powers both the transmitter and receiver using a single power source at either side of the connection
- Maintain astonishing picture quality up to 230 feet away, with support for UltraHD 4K over non-proprietary CAT5e or CAT6 cabling
- Hassle-free, professional installation with included mounting brackets, and full video extension over one CAT5 cable
- 70m (230ft) maximum Cat5 cable distance
- Also supports HD video resolutions such as 1920x1200 or 1080p
- No software/drivers required
- Mounting Hardware Included
- Dolby® TrueHD, DTS-HD MA Audio

Technical Specifications

Warranty	2 Years
Audio	Yes
Cabling	Cat 5e UTP or better
Daisy-Chain	No
Output Signal	HDMI
Ports	1
Audio Specifications	7.1 Surround Sound
Max Distance	70 m / 230 ft
Maximum Cable Length	0.1 m [0.2 ft]
Maximum Digital Resolutions	4096 x 2160 (4K) @ 30 Hz
Wide Screen Supported	Yes
Connector A	1 - HDMI (19 pin) Latching Female
Connector A	1 - RJ-45 Female
Connector B	1 - HDMI (19 pin) Female
Connector B	1 - RJ-45 Female
LED Indicators	1 - Power Indicator
Center Tip Polarity	Positive
Input Current	0.5A
Input Voltage	100 ~ 240 AC
Output Current	1.5A
Output Voltage	12 DC
Plug Type	M
Power Source	AC Adapter Included
Humidity	0% - 80 % RH (non-condensing)
Operating Temperature	0°C to 40°C (32°F to 104°F)
Storage Temperature	-10°C to 60°C (14°F to 140°F)
Color	Black
Enclosure Type	Aluminum
Product Height	25 mm [1 in]
Product Length	80 mm [3.1 in]
Product Weight	310 g [10.9 oz]
Product Width	67 mm [2.6 in]
Shipping (Package) Weight	0.7 kg [1.6 lb]

Included in Package	1 - HDMI over CAT5e/6 Transmitter Unit
Included in Package	1 - HDMI over CAT5e/6 Receiver Unit
Included in Package	1 - Power Adapter
Included in Package	1 - Instruction Manual
Included in Package	1 - Mounting Brackets
Included in Package	1 - Cat5e Cable

## Certifications, Reports and Compatibility

