

## HDMI over CAT5e HDBaseT Extender - 4K

**Product ID:** ST121HDBTPW



This 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, 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.

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.

For greater versatility than a traditional HDMI extender or HDMI cabling alone, this HDBaseT extender offers HDMI + Power Over Cable in a single kit. The added benefit of power over cable means you'll only need one power source at either side of your extension, great for extending to areas where power outlets may be limited.

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 330 feet away, you can comfortably use this extender to make any video source look great.

This extender has been specially crafted for a smooth, tidy setup. 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. 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 ST121HDBTPW is TAA compliant and backed by a 2-year StarTech.com warranty with free lifetime technical support.

## Certifications, Reports and Compatibility



## Applications

- Extend HDMI to locations where power outlets are limited
- 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 HDBaseT offering power over cable that powers both the transmitter and receiver using a single power source at either side of the connection
- Maintains astonishing picture quality up to 115 ft. (35 m) away, with support for UltraHD 4K over non-proprietary CAT5e or CAT6 cabling
- Also supports HD video resolutions such as 1920x1200 or 1080p at distances up to 330 ft. (100m)
- Hassle-free, professional installation with included mounting brackets, and full video extension existing infrastructure
- HDMI transmitter and receiver included
- Extend HDMI, and Power over Cable all through one Cat5e or CAT6 cable with HDBaseT
- No software or drivers required
- Dolby TrueHD, DTS-HD MA Audio
- 100m (330ft) maximum Cat5 cable distance

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### Hardware

Warranty	2 Years
AV Input	HDMI
Ports	1
AV Output	HDMI
Cabling	Cat 5e UTP or better

Audio Yes

Daisy-Chain No

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**Performance**

Maximum Cable Length 328.0 ft [100 m]

Max Distance 100 m / 330 ft

Maximum Digital Resolutions 4096 x 2160 (4K) @ 30 Hz (35 meters)  
1920 x 1080 (1080p) @ 60 Hz (100 meters)

Supported Resolutions 3840x2160 (4K)  
2560x1600  
1920x1200  
1920x1080 (1080p)  
1280x720 (720p)

Wide Screen Supported Yes

Audio Specifications 7.1 Surround Sound

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**Connector(s)**

Connector A 1 - HDMI (19 pin)  
1 - RJ-45

Connector B 1 - HDMI (19 pin)  
1 - RJ-45

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**Special Notes / Requirements**

Note If you want to add more displays, you can daisy chain this product with the HDBaseT repeater ST121HDBTRP.

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**Indicators**

LED Indicators 1 - Status (transmitter)  
1 - Status (receiver)

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**Power**

Power Source AC Adapter Included

Input Voltage 100 - 240 AC

Input Current	0.5 A
Output Voltage	12V DC
Output Current	1.5 A
Plug Type	M
Power Consumption (In Watts)	18

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#### Environmental

Operating Temperature	0C to 40C (32F to 104F)
Storage Temperature	-10C to 60C (14F to 140F)
Humidity	0% - 80 % RH (non-condensing)

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#### Physical Characteristics

Color	Black
Material	Steel
Product Length	3.1 in [80 mm]
Product Width	2.6 in [6.7 cm]
Product Height	1.0 in [2.5 cm]
Weight of Product	14.9 oz [423 g]

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#### Packaging Information

Package Quantity	1
Package Length	11.7 in [29.6 cm]
Package Width	7.7 in [19.6 cm]
Package Height	2.9 in [7.4 cm]
Shipping (Package) Weight	2.5 lb [1.1 kg]

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#### What's in the Box

Included in Package	1 - HDMI extender
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- 1 - HDMI receiver
- 4 - mounting brackets
- 2 - foot pad set
- 1 - universal power adapter (NA / EU / UK / AU)
- 2 - grounding wires
- 2 - screw sets
- 1 - instruction manual

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***\*Product appearance and specifications are subject to change without notice.***