

## HDMI over CAT5e HDBaseT Extender with USB Hub - 295 ft (90m) - Up to 4K

**Product ID:** ST121HDBTU



This HDMI extender kit uses HDBaseT 2.0 technology, enabling you to extend 4K HDMI video and four USB 2.0 peripheral devices to a remote location up to 295 feet (90 meters) away, using a single CAT5e or CAT6 cable. The extender can extend 1080p (HD) video even further at up to 330 feet (100 meters).

You can power both the transmitter and receiver using the same single power source, which you can connect to either the extender or receiver using Power Over Cable (POC). You can also connect up to four USB devices on the remote side and support 3D video and 7.1 digital audio. The versatility of this video extender makes it the perfect solution for digital signage applications in large buildings such as commercial shopping centers, stadiums, schools, and hospitals.

HDBaseT is a standardized, zero-latency video 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 USB and power over cable.

The extender offers a complete end-to-end solution, using HDBaseT technology to extend HDMI, IR, power and USB over a single CAT5e cable. With power and USB along with your video signal, HDBaseT is the clear choice for every integrator and system designer. The added benefit of power over cable means that you'll only need one power source at one side of your extension, and USB lets you add a console at the remote location - great for extending video and control to areas where power outlets may be limited, such as industrial sites.

The A/V industry is quickly adopting 4K as the new high-resolution video standard. But long-range video distribution can be a challenge if you're using standard HDMI cables because the signal becomes susceptible to degradation at 30 feet. HDBaseT maintains your Ultra HD 4K picture quality - four times the resolution of high-definition 1080p - even at 330 feet away from your video source. Plus, because the extender supports high-definition 1080p and lower resolutions, you can comfortably use this extender to make any video source look great, while future proofing your setup for 4K implementation.

This extender has been specifically designed for a simple and tidy installation. HDBaseT technology offers single-cable installation, so you can integrate it seamlessly using your existing CAT5e or CAT6 infrastructure. This means that you can avoid the hassle of running multiple Ethernet cables, while reducing potential failure points.

The extender also features Power-over-Cable technology, so you only need one power source for both the extender

and receiver units. Mounting hardware is included for both the extender and receiver, for discreet, professional installation.

The ST121HDBTU is TAA compliant is backed by a 2-year StarTech.com warranty with free lifetime technical support.

## Certifications, Reports and Compatibility



## Applications

- Extend USB and video to create a remote kiosk with touchscreen or console control
- Place the display in a convenient viewing area, while the system equipment is installed elsewhere in a clean and secure environment
- Optimize the placement of your demo stations at tradeshow and in auditoriums

## Features

- Extend video to locations where power outlets are limited, with both the transmitter and receiver using a single power source at either side of the connection
- Maintain astonishing picture quality up to 295 feet away, with support for UltraHD 4K
- Mounting brackets are included for a hassle-free installation
- Also supports HD video resolutions such as 1920x1200 or 1080p at 330 ft
- No software or drivers required
- Supports Dolby TrueHD, DTS-HD Master Audio

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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

## Performance

Max Distance 100m [328ft]

Maximum Digital Resolutions 4096 x 2160 (4K) @ 30 Hz

Supported Resolutions 4096 x 2160 (4K) @ 30Hz  
1920 x 1200 @ 60Hz  
1920 x 1080 (1080p) @ 60 Hz  
1280 x 720 (720p) @ 60 Hz

Wide Screen Supported Yes

Audio Specifications 7.1 Surround Sound

## Connector(s)

Connector A 1 - HDMI (19 pin)  
1 - USB Mini-B (5 pin)  
1 - RJ-45

Connector B 1 - HDMI (19 pin)  
4 - USB 2.0 Type-A (4 pin, 480Mbps)

## Power

Power Source AC Adapter Included

Input Voltage 100 - 240 AC

Input Current 12 DC

Output Current 1.5 A

Center Tip Polarity Positive

Plug Type M

## 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

Material	Steel
Product Length	4.0 in [10.2 cm]
Product Width	3.0 in [7.5 cm]
Product Height	0.9 in [2.4 cm]
Weight of Product	10.8 oz [306.0 g]

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#### Packaging Information

Package Quantity	1
Package Length	11.8 in [30.0 cm]
Package Width	9.6 in [24.5 cm]
Package Height	3.3 in [8.5 cm]
Shipping (Package) Weight	3.5 lb [1.6 kg]

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#### What's in the Box

Included in Package	1 - HDMI over CAT6 transmitter
	1 - HDMI over CAT6 receiver
	1 - IR blaster
	1 - IR receiver
	1 - USB cable
	2 - foot pad sets
	2 - power adapters
	2 - mounting brackets
	1 - quick install guide

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