

HDMI over CAT5 HDBaseT Extender with USB Hub - 295 ft (90m) - Up to 4K

StarTech 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.

What is HDBaseT?

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.



Extend more with HDBaseT

The extender offers a complete end-to-end solution, using HDBaseT technology to extend HDMI, IR, power and USB over a single CAT5 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.

Astonishing 4K picture quality from an impressive distance

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.

Simplify your setup

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

HDBaseT is a registered trademark of The HDBaseT Alliance.

Applications

- Extend USB and video to create a remote kiosk with touchscreen or console control
- Install the extender even in locations where power outlets are limited, with only a single power adapter required at either the transmitter or receiver
- 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™

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	100 m / 330 ft
Maximum Cable Length	0.3 ft [0.1 m]
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
Connector A	1 - HDMI (19 pin) Female Input
Connector A	1 - USB Mini-B (5 pin) Female
Connector A	1 - RJ-45 Female Output
Connector B	1 - HDMI (19 pin) Female Output
Connector B	4 - USB A (4 pin) Female
Center Tip Polarity	Positive
Input Current	12 DC
Input Voltage	100 ~ 240 AC
Output Current	5 A
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)
Shipping (Package) Weight	0.5 lb [0.2 kg]
Included in Package	1 - HDMI over CAT6 transmitter
Included in Package	1 - HDMI over CAT6 receiver
Included in Package	1 - IR blaster
Included in Package	1 - IR receiver

Included in Package	1 - USB cable
Included in Package	2 - foot pad sets
Included in Package	2 - power adapters
Included in Package	2 - mounting brackets
Included in Package	1 - quick install guide

Certifications, Reports and Compatibility

