

HDMI over CAT5 HDBaseT Extender - Power over Cable - IR - RS232 - 10/100 Ethernet - Ultra HD 4K - 330 ft (100m)

StarTech ID: ST121HDBT5



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, both the transmitter and receiver can be powered from one 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 than Video with HDBaseT

The extender offers HDBaseT technology with HDMI, IR, RS232, Ethernet, and power in a single 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 to 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. 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 for interactive digital signage presentations. While the built-in 6-Port Ethernet hub lets you connect 5 IP devices to your network (3 remote, 2 local).

Astonishing Picture Quality at 330 Feet Away

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 HDBaseT you'll be amazed at how Ultra HD picture quality, four times the resolution of high-definition 1080p can be maintained 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.

Hassle-free, Professional Installation with a Single Cable

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 ST121HDBT5 is backed by a StarTech.com 2-year warranty and free lifetime technical support.

Applications

- Extend an HDMI signal to locations where power outlets are limited
- Connect IP devices such as Smart TVs, computers, and gaming consoles to the Internet or Local network on either side of the extender
- Connect a remote RS232 device such as a serial touchscreen monitor, or a serial modem to your local computer
- At tradeshows and auditoriums, remotely place your demo display in a convenient viewing area, while the system equipment is placed elsewhere in a clean and secure environment
- Control your IR video source with remote control from the remote display

Features

- With HDBaseT extend HDMI, Ethernet, RS-232, IR, and Power over Cat5 all through one cable
- Astonishing picture quality with support for resolutions up to UltraHD 4K
- Hassle-free installation with a single CAT5e/6 cable and included mounting hardware
- Built-in 10/100 extender hub
- Supports CAT5e and CAT6 Ethernet cable
- HDMI transmitter and receiver included
- 1080p & 4K resolution support
- Mounting hardware included
- No software / drivers required

Technical Specifications

Warranty	2 Years
Audio	Yes
Cabling	Cat 5 UTP or better
Daisy-Chain	No
Ports	1
Rack-Mountable	Yes
Audio Specifications	7.1 Surround Sound
Max Distance	100 m / 330 ft
Maximum Cable Length	328 ft [100 m]
Maximum Digital Resolutions	4K
Supported Resolutions	3840x2160 (4K) 2560x1600 1920x1200 1920x1080 (1080p) 1280x720 (720p)
Wide Screen Supported	Yes
Local Unit Connectors	1 - HDMI (19 pin)
Local Unit Connectors	1 - RJ-45
Local Unit Connectors	1 - DB-9 (9 pin; D-Sub)
Local Unit Connectors	2 - IrDA (Infrared; SIR/FIR)
Local Unit Connectors	3 - RJ-45
Remote Unit Connectors	1 - HDMI (19 pin)
Remote Unit Connectors	1 - RJ-45
Remote Unit Connectors	1 - DB-9 (9 pin; D-Sub)
Remote Unit Connectors	2 - IrDA (Infrared; SIR/FIR)
Remote Unit Connectors	3 - RJ-45
LED Indicators	1 - Status LED
LED Indicators	3 - LAN Activity LEDs
Input Current	0.5 A
Input Voltage	100 ~ 240 AC
Output Current	1.5 A
Output Voltage	12 DC
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	1.5 in [37 mm]
Product Length	5.5 in [139 mm]
Product Weight	30.3 oz [859 g]
Product Width	3.5 in [89 mm]
Shipping (Package) Weight	3.6 lb [1.6 kg]
Included in Package	1 - CAT5 Cable
Included in Package	1 - HDMI extender
Included in Package	1 - HDMI receiver
Included in Package	1 - Instruction Manual
Included in Package	1 - IR sensor kit (Transmitter cable \ Receiver cable)
Included in Package	1 - Power Adapter
Included in Package	2 - Foot pad set
Included in Package	2 - Grounding Wire
Included in Package	2 - Mounting brackets

Certifications, Reports and Compatibility

