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

Product 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.

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.

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).

With the A/V industry adopting 4K as its new high-resolution standard, long-range video distribution can be difficult, especially considering the 4K distance limitations on standard HDMI cables. You'll be amazed at how this HDBase-T extender kit can deliver your 4K video signal at up to 295 ft. away from your video source.

The extender kit is also backward compatible with 1080p at 330 feet (100 m), so you can comfortably use it 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 ST121HDBT5 is TAA compliant and backed by a StarTech.com 2-year warranty with free lifetime technical support.

Certifications, Reports and Compatibility

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 Interent 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

• Save cost by extending HDMI, Ethernet, RS-232, IR, and Power over a single Cat5 cable, using HDBaseT technology

• Astonishing picture quality with support for UHD 4K resolutions at up to 115 ft. (35 m)

• Supports HD 1080p resolutions at up to 330 ft. (100 m)

• Tidy, professional installation with optional mounting hardware included and extension over a single cable

• Built-in 10/100 extender hub

• Supports CAT5e and CAT6 Ethernet cable

• HDMI transmitter and receiver included

• No software / drivers required

Hardware

Warranty	2 Years
Ports	1
Cabling	Cat 5 UTP or better

Audio	Yes
Rack-Mountable	Yes
Daisy-Chain	No

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

Connector(s)

Local Unit Connectors	HDMI (19 pin)
	RJ-45
	DB-9 (9 pin, D-Sub)
	IrDA (Infrared, SIR/FIR)
	RJ-45
Remote Unit Connectors	HDMI (19 pin)
	HDMI (19 pin)
	RJ-45
	DB-9 (9 pin, D-Sub)
	IrDA (Infrared, SIR/FIR)
	RJ-45

Indicators

LED Indicators	Status LED
	LAN Activity LEDs

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
Power Consumption (In Watts)	18

Environmental

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

Physical Characteristics

Color	Black
Material	Aluminum
Product Length	5.5 in [13.9 cm]
Product Width	3.5 in [89.0 mm]
Product Height	1.5 in [37.0 mm]
Weight of Product	30.3 oz [859.0 g]

Packaging Information

Package Length	12.3 in [31.3 cm]
Package Width	7.0 in [17.9 cm]
Package Height	2.9 in [74.0 mm]

Shipping (Package) Weight	3.6 lb [1.6 kg]

What's in the Box

Included in Package	HDMI extender
	HDMI receiver
	IR sensor kit (transmitter cable & receiver cable)
	grounding wires
	mounting brackets
	foot pad sets
	universal power adapter (NA, EU, UK, AU)
	instruction manual

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