HDMI over CAT5 HDBaseT Extender - RS232 - IR - Ultra HD 4K - 330 ft (100m)

StarTech ID: ST121UTPHD2

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 the transmitter and receiver can be used to transmit IR and RS232 serial communication over the same cable. The versatility of this video extender makes it an ideal solution for digital signage applications.

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 with HDBaseT

The extender offers HDBaseT technology with HDMI, IR, and RS232 control in a single CAT 5 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 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. While 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.

Astonishing Picture Quality from an Impressive Distance

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 330 feet away from your video source. Plus, because the extender is

still backward compatible with High-Definition 1080p displays and video sources, you can rest assured this extender will make your video source look great in any remote digital signage application.

Simplify Your Setup

This extender has been specially crafted for a smooth, tidy installation. 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. Mounting hardware is also built-in to both the extender and receiver for discrete, professional mounting.

The ST121UTPHD2 is backed by a 2-year StarTech.com warranty and free lifetime technical support.

Applications

- Position a display/monitor in a convenient viewing area while the transmitting content over a CAT5 cable from a cleaner, more secure environment
- Ideal for digital signage applications in financial, educational, medical and business sectors
- Perfect for video conferencing solutions in boardrooms and office settings
- Optimize placement of your demo stations at trade-shows and in auditoriums

Features

- With HDBaseT extend HDMI, IR, and RS-232 through one CAT5e or CAT6 cable
- Astonishing picture quality with support for resolutions up to UltraHD 4K
- Hassle-free installation with a single CAT5e or CAT6 cable and built-in mounting hardware
- 100m (330ft) maximum Cat5e or CAT6 cable distance
- Supports bi-directional RS232 and IR extension
- Dolby® TrueHD, DTS-HD MA Audio
- RS232 interface supports up to 115200bps full-duplex data rate
- No software or drivers required

Technical Specifications

Warranty	2 Years
Audio	Yes
Cabling	Cat 5 UTP or better
Daisy-Chain	No
Industry Standards	High Speed HDMI® and HDCP compliant
Ports	1
Audio Specifications	Supports Dolby® TrueHD, DTS-HD MA
IR Interface	Bi-directional 38Khz / ±10° / 5M
Max Distance	100 m / 330 ft
Maximum Data Transfer Rate	HDMI® - 3.4Gbps RS232 - 115200bps baud
Maximum Digital Resolutions	4K
Supported Resolutions	3840x2160 (4K) 2560x1600 1920x1200 1920x1080 (1080p) 1280x720 (720p)
Wide Screen Supported	Yes
Local Unit Connectors	1 - DB-9 (9 pin; D-Sub) Female
Local Unit Connectors	1 - IrDA (Infrared; SIR/FIR)
Local Unit Connectors	1 - RJ-45 Female
Local Unit Connectors	2 - HDMI (19 pin) Female
Remote Unit Connectors	1 - DB-9 (9 pin; D-Sub) Male
Remote Unit Connectors	1 - HDMI (19 pin) Female
Remote Unit Connectors	1 - RJ-45 Female
Remote Unit Connectors	2 - IrDA (Infrared; SIR/FIR)
OS Compatibility	OS Independent
System and Cable Requirements	1X Standard CAT5 cable 1X HDMI Cable for Remote Unit (Local Cable Included)
LED Indicators	1 - HDCP (Green)
LED Indicators	1 - Mode (Green)
LED Indicators	1 - Power (Green)
LED Indicators	1 - RJ45 Link (Green)
Center Tip Polarity	Positive

Input Current	0.6
Input Voltage	110 ~ 240 AC
Output Current	1.24A
Output Voltage	12 DC
Plug Type	M
Power Source	2 AC Adapters Included
Humidity	0-95%
Operating Temperature	0°C to 70°C (32°F to 158°F)
Storage Temperature	-20°C to 85°C (-4°F to 185°F)
Color	Black
Enclosure Type	Steel
Product Height	1 in [25 mm]
Product Length	5.9 in [150 mm]
Product Weight	10.8 oz [305 g]
Product Width	3.1 in [80 mm]
Shipping (Package) Weight	52.9 oz [1500 g]
Included in Package	1 - Local HDMI® Extender Unit
Included in Package	1 - Remote HDMI® Receiver Unit
Included in Package	1 - IR Receiver Cable
Included in Package	1 - IR Transmitter Cable
Included in Package	1 - HDMI Cable - 4 ft (1.2 Meters)
Included in Package	2 - Universal Power Adapter NA / UK / EU
Included in Package	1 - User Manual

Certifications, Reports and Compatibility