

HDMI Over CAT6 Extender - Power Over Cable - Up to 70 m (230 ft.)

Product ID: ST121HDBT20S



This HDMI over CAT6 extender transmits your HDMI audio/video signal to a remote location up to 70 m (230 ft.) away.

This HDMI over CAT6 extender maintains your Ultra HD 4K picture quality, even at 35 m (115 ft.) away from your video source. If you're not running 4K video, this extender supports High-Definition 1080p 60Hz and lower resolutions at even greater distances, up to 70 m (230 ft.) from your HDMI source.

With full support for your HDMI 2.0 equipment, including 4K resolution at 60Hz, this extender can transmit at a bandwidth of up to 18Gbps, making it the ideal solution for high-resolution tasks requiring the highest color detail. For smoother video and color transitions, the extender offers 4:4:4 chroma subsampling via visually lossless compression, meaning every pixel gets its own unique color.

With HDR support, you can enjoy lifelike images with increased contrast, brightness and colors and greater luminosity than standard digital imaging.

The HDMI Extender Over CAT6 offers a hassle-free solution for your digital signage project. The extender only requires a single CAT5e or CAT6 cable, so you can extend an HDMI signal using your building's existing infrastructure. Plus, this HDMI extender supports Power Over Cable (POC), which means you'll only need one power adapter connected to either your transmitter or receiver. Mounting hardware is also included for discreet, professional installation.

The ST121HDBT20S is TAA compliant and backed by a 2-year StarTech.com warranty with free lifetime technical support.

Certifications, Reports and Compatibility

Applications

- Distribute HDMI in large buildings such as commercial shopping centers, stadiums, schools, and hospitals
- Extend your HDMI audio/video signals to locations where power outlets are limited, such as industrial sites
- Integrators and system designers can use existing CAT5 or CAT6 infrastructure to create digital-signage solutions

Features

- Get astonishing video quality at impressive distances with UHD 4K 60Hz resolution at up to 35 m (115 ft.) and 1080p 60Hz resolutions at up to 70 m (230 ft.)
- Hassle-free setup with video and power over a single CAT5e or CAT6 cable
- Sleek professional installation with optional mounting hardware included
- Remotely control your video source from the location of your remote display, with support for IR extension
- Supports HDR for expanded contrast ratio and color accuracy

Hardware

Warranty	2 Years
Ports	1
Cabling	Cat 5e UTP or better
Audio	Yes
Daisy-Chain	No

Performance

Maximum Cable Length	230.0 ft [70.1 m]
Max Distance	70 m / 230 ft
Maximum Digital Resolutions	Up to 35 m: 4K @ 60 Hz Up to 70 m: 1080p @ 60Hz
Supported Resolutions	3840x2160 (4K) @ 60 Hz 2560x1600 1920x1200 @ 60 Hz 1920x1080 (1080p) 1280x720 (720p)
Wide Screen Supported	Yes

Audio Specifications 7.1 Surround Sound

Connector(s)

Local Unit Connectors	HDMI (19 pin)
	RJ-45
Remote Unit Connectors	RJ-45
	HDMI (19 pin)

Indicators

LED Indicators	status LED (local)
	status LED (remote)

Power

Power Source	AC Adapter Included
Input Voltage	100 - 240 AC
Input Current	0.6A
Output Voltage	18 DC
Output Current	1 A
Center Tip Polarity	Positive
Plug Type	M
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	11.5 in [29.3 cm]
Product Width	3.0 in [76 mm]
Product Height	1.0 in [26 mm]
Weight of Product	3.5 lb [1.6 kg]

Packaging Information

Package Length	11.0 in [28 cm]
Package Width	8.1 in [20.6 cm]
Package Height	2.4 in [62 mm]
Shipping (Package) Weight	29.5 oz [836 g]

What's in the Box

Included in Package	HDMI over CAT6 transmitter
	HDMI over CAT6 receiver
	IR blaster
	IR receiver
	universal power adapter (NA/JP, EU, UK, ANZ)
	mounting brackets
	rubber feet
	quick-start guide

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

