

# 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.

## Get 4K at 60Hz from 30 m (115 ft.) away

This HDMI over CAT6 extender maintains your Ultra HD 4K picture quality, even at 30 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.

## **Simplify your setup**

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 30 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

<b>Hardware</b>	Warranty	2 Years
	Audio	Yes
	Cabling	Cat 5e UTP or better
	Daisy-Chain	No
	Ports	1
<b>Performance</b>	Audio Specifications	7.1 Surround Sound
	Max Distance	70 m / 230 ft
	Maximum Cable Length	230 ft [70.1 m]
	Maximum Digital Resolutions	<b>Up to 30 m:</b> 4096 x 2160 (4K) @ 60 Hz <b>Up to 70 m:</b> 1080p @ 60Hz
	Supported Resolutions	3840x2160 (4K) @ 60 Hz 2560x1600 1920x1200 @ 60 Hz 1920x1080 (1080p) 1280x720 (720p)
	Wide Screen Supported	Yes
<b>Connector(s)</b>	Local Unit Connectors	1 - HDMI (19 pin) Female Input
		1 - RJ-45 Female Output
	Remote Unit Connectors	1 - RJ-45 Female Input
		1 - HDMI (19 pin) Female Output
<b>Indicators</b>	LED Indicators	1 - status LED (local)
		1 - status LED (remote)
<b>Power</b>	Center Tip Polarity	Positive
	Input Current	0.6A
	Input Voltage	100 ~ 240 AC
	Output Current	1 A
	Output Voltage	18 DC
	Plug Type	M
	Power Consumption (In Watts)	18
	Power Source	AC Adapter Included
<b>Environmental</b>	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)

<b>Physical Characteristics</b>	Color	Black
	Enclosure Type	Aluminum
	Product Height	1 in [26 mm]
	Product Length	4 in [102 mm]
	Product Weight	3.9 oz [110 g]
	Product Width	3 in [76 mm]
<b>Packaging Information</b>	Shipping (Package) Weight	0.5 lb [0.2 kg]
<b>What's in the Box</b>	Included in Package	1 - HDMI over CAT6 transmitter
		1 - HDMI over CAT6 receiver
		1 - IR blaster
		1 - IR receiver
		1 - universal power adapter (NA/JP, EU, UK, ANZ)
		2 - mounting brackets
		8 - rubber feet
		1 - quick-start guide
	AV Input	HDMI
	AV Output	HDMI

Product appearance and specifications are subject to change without notice.