

HDMI Over CAT6 Extender - Power Over Cable - Up to 100 m (328 ft.)

**Product ID:** ST121HDBT20L



This HDMI Over CAT6 extender transmits your HDMI audio/video signal to a remote location up to 100 m (328 ft.) away.

This HDMI over CAT6 extender maintains your Ultra HD 4K picture quality, even at 70 m (230 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 100 m (328 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.

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 extend an HDMI signal using existing infrastructure that's already in your building. 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 ST121HDBT20L 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 70 m (230 ft.) and 1080p 60Hz resolutions at up to 100 m (328 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

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### Hardware

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

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### Performance

Maximum Cable Length	328.4 ft [100.1 m]
Max Distance	100 m / 330 ft
Maximum Digital Resolutions	Up to 70 m: 4096 x 2160 (4K) @ 60 Hz Up to 100 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

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### Connector(s)



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

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**Indicators**

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

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**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

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**Environmental**

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

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**Physical Characteristics**

Color	Black
Material	Aluminum
Product Length	4.0 in [10.2 cm]
Product Width	3.0 in [76.0 mm]
Product Height	1.0 in [26.0 mm]



Weight of Product 3.9 oz [110.0 g]

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**Packaging Information**

Package Length 11.0 in [28.0 cm]

Package Width 8.1 in [20.6 cm]

Package Height 2.4 in [62.0 mm]

Shipping (Package) Weight 8.1 oz [230.0 g]

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**What's in the Box**

Included in Package

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

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

