HDMI over CAT6 Extender Kit - 4K 60Hz

Product ID: ST121HD20V

This HDMI over CAT6 extender lets you transmit your 4K 60Hz signal up to 165 ft. (50 m) over a single CAT6 cable, with the added benefit of a local HDMI output. The extender supports High Dynamic Range (HDR), providing high contrast images with enhanced video.

This HDMI Ethernet extender supports a 4K 60Hz (3840 x 2160) resolution, providing four times the picture quality of high-definition (1080p). The extender supports HDMI 2.0 capabilities, offering 4:4:4 chroma subsampling. This ensures a crystal-clear picture that's ideal for delivering video content. With HDR support, you can enjoy increased contrast, color brightness and greater luminosity in your images.

Extend an HDMI signal to up to 165 ft. (50 m) with the HDMI to CAT6 converter. Use your existing CAT6 cable infrastructure with a direct connection to the converter for an easy run through walls and ceilings, saving you on installation costs.

Connect your HDMI 2.0 devices and displays with confidence, knowing this extender is HDCP 2.2 compliant. This lets you harness the capabilities of HDMI-enabled devices such as Blu-ray players or online streaming devices in higher resolutions. It is also backward compatible with previous generations of HDMI and HDCP.

ST121HD20V is backed by 2-year StarTech.com warranty with free lifetime technical support.

Certifications, Reports and Compatibility

RoHS Compliant | | WEEE/GK0063TV | CE | FC

Applications

• Extend your HDMI signal in classrooms and boardrooms

• Use existing CAT6 infrastructure to create digital signage

• Distribute an HDMI signal to multiple displays at tradeshows

• Extend your HDMI signals to locations that lack power outlets

Features

• Crystal-clear picture quality with support for resolutions up to 4K 60Hz

• Compatible with HDR and 4:4:4 chroma subsampling for lifelike images

• Hassle-free setup with long-distance transmission over a reliable connection

• Ensured compatibility with HDCP 2.2 devices and displays

Hardware

	Warranty	2 Years
	AV Input	HDMI
	AV Output	HDMI
	Cabling	Cat 6 UTP
	Audio	Yes

Performance

	Maximum Cable Length	165.0 ft [50.3 m]
	Max Distance	50m [164ft]
	Maximum Digital Resolutions	3840 x 2160 (4K) @ 60 Hz
	Supported Resolutions	Transmitter Local Output: 480i60, 576i50, 480p60, 576p50, 720p24/25/30/50/60, 1080i50/60, 1080p24/25/30/50/60, 2K24/25/30/50/60, 4K24/25/30, 4K50/60 4:2:0, 4K50/60 4:4:4; 640x480@60, 1024x768@60, 1280x768@60, 1280x800@60, 1280x1024@60, 1360x768@60, 1400x1050@60, 1440x900@60, 1600x900@60, 1680x1050@60, 1920x1200@60RB Receiver Output:

480i60, 576i50, 480p60, 576p50, 720p24/25/30/50/60, 1080i50/60, 1080p24/25/30/50/60, 4K24/25/30, 4K50/60 4:2:0, 4K50/60 4:4:4;

640x480@60, 1024x768@60, 1280x768@60, 1280x800@60, 1280x1024@60, 1360x768@60, 1400x1050@60, 1440x900@60, 1600x900@60, 1680x1050@60, 1920x1200@60RB

Wide Screen Supported	Yes
Audio Specifications	7.1 Surround Sound

Connector(s)

Connector A	1 - RJ-45
	2 - HDMI (19 pin)
Connector B	1 - HDMI (19 pin)
	1 - RJ-45

Power

Power Source	AC Adapter Included
Input Voltage	100 - 240 AC
Input Current	0.3A
Output Voltage	12V DC
Output Current	1A
Center Tip Polarity	Positive
Plug Type	M

Environmental

Operating Temperature	0C to 40C (32F to 104F)
Storage Temperature	-20C to 60C (4F to 140F)
Humidity	0% - 80 % RH (non-condensing)

Physical Characteristics

Color	Black
Product Length	3.8 in [97.0 mm]

Product Width	2.8 in [7.0 cm]
Product Height	0.5 in [1.3 cm]
Weight of Product	5.5 oz [156.0 g]

Packaging Information

Package Quantity	1
Package Length	8.9 in [22.5 cm]
Package Width	5.2 in [13.3 cm]
Package Height	3.0 in [7.5 cm]
Shipping (Package) Weight	1.7 lb [0.8 kg]

What's in the Box

Included in Package	1 - HDMI over CAT6 Transmitter
	1 - HDMI over CAT6 Receiver
	1 - IR Blaster
	1 - IR Receiver
	2 - Universal Power Adapter (NA/JP, EU, UK, ANZ)
	1 - Quick-Start Guide

Warranty Information

Warranty	2 Years

Product appearance and specifications are subject to change without notice.