

HDMI Over Fiber Extender (LC) - 4K 60Hz HDMI 2.0 - 3300ft (1km) over Single Mode - 1000ft (300m) over Multimode Fiber Optic Cable - Transmitter/Receiver AV Converter Kit

Product ID: ST121HD20FXA



This HDMI over Fiber Extender kit lets you transmit your HDMI audio video signal up to 3300 feet (1000 m) over single-mode fiber, or up to 1000 feet (300 m) over multimode fiber. This converter kit includes both the transmitter and receiver for a complete end-to-end solution.

This HDMI optical extender supports resolutions up to 4K 60Hz (3840 x 2160), providing four times the picture quality of high-definition (1080p). The UHD HDMI Extender supports HDMI 2.0 capabilities, offering 4:4:4 chroma subsampling. This ensures a crystal-clear picture quality and breathtaking color reproduction that is ideal for delivering video content from sources such as Apple TV 4K, Fire TV Stick 4K, or nVidia Shield TV.

The Long Range HDMI Extender allows you to extend an HDMI signal up to 3300 feet (1000 m) over single-mode fiber and 1000 feet (300 m) over multimode fiber. Not only is this an incredibly long range solution that can extend an HDMI signal across or between buildings, but because fiber optics transmit data using light rather than copper, it will not cause or be affected by electromagnetic Interference (EMI).

StarTech.com conducts thorough compatibility and performance testing on all our products to ensure we are meeting or exceeding industry standards and providing high-quality products to IT Professionals. Our local StarTech.com Technical Advisors have broad product expertise and work directly with our StarTech.com Engineers to provide support for our customers both pre and post-sales.

ST121HD20FXA is backed by 2-year StarTech.com warranty with free lifetime technical support.

Certifications, Reports and Compatibility



Applications

Features

- **HDMI OVER FIBER EXTENDER KIT:** Extend an Ultra HD (UHD) 4K 60Hz HDMI 2.0 signal + 7.1 CH audio up to 3280ft (1km) over single mode or up to 985ft (300m) over multimode fiber cabling w/ an LC connector; HDR10 / HDCP 2.2; 4:4:4 chroma subsampling
- **RELIABLE VIDEO TRANSMISSION:** Fiber connection allows for uncompressed and uninterrupted video transmission & Electromagnetic interference (EMI) immunity and optical isolation for reliable signal integrity; 3x Status LEDs for power/optical link/HDMI link
- **SERIAL AND IR EXTENSION:** Extend serial or IR signals over the fiber cable; IR control extension kit includes 2x IR Receivers & 2x IR Blasters (IR remote not included); RS-232 terminal block connectors for device or display control (up to 115.2Kbps)
- **EASY INSTALLATION:** Point to Point connection between AV transmitter and receiver; No IP configuration/drivers/network equipment required; Durable steel housing w/ built-in mounting hardware for a tidy installation; 7ft fiber cable for testing
- **STARTECH.COM ADVANTAGE:** IT professionals choice for over 30 years; This long range HDMI over fiber converter is backed for 2-years by StarTech.com, including free 24/5 North America based multi-lingual tech support

Hardware

Warranty	2 Years
Ports	1
Cabling	Fiber Optic
Audio	Yes
Rack-Mountable	No
Daisy-Chain	No

Performance

Maximum Data Transfer Rate	18 Gbps
Max Distance	1 km (0.6 mi)
Maximum Digital Resolutions	4096 x 2160 (4K) @ 60 Hz
Supported Resolutions	Single Mode 1000 Meters at 4096 x 2160 60Hz

	Multimode
	300 Meters at 4096 x 2160 60Hz
Wide Screen Supported	Yes
Audio Specifications	Supports Dolby TrueHD, DTS-HD MA, Atmos
General Specifications	IR Interface: Bi-directional
	38Khz / 10 / 5M
	Wall-Mountable
	Optional

Connector(s)

Local Unit Connectors	1 - HDMI (19 pin)
	1 - Fiber Optic LC Simplex
	1 - IrDA (Infrared, SIR/FIR)
Remote Unit Connectors	1 - HDMI (19 pin)
	1 - Fiber Optic LC Simplex
	1 - IrDA (Infrared, SIR/FIR)

Power

Power Source	2 AC Adapters Included
Input Voltage	100 - 240 AC
Output Voltage	5V DC
Output Current	1A
Center Tip Polarity	Positive
Plug Type	M
Power Consumption (In Watts)	3

Environmental

Operating Temperature	0C to 40C (32F to 104F)
Storage Temperature	-10C to 60C (14F to 140F)

Humidity 0-80%

Physical Characteristics

Color Black

Material Steel

Product Length 6.3 in [16.1 cm]

Product Width 2.7 in [6.8 cm]

Product Height 0.7 in [1.8 cm]

Weight of Product 10.0 oz [282.0 g]

Packaging Information

Package Quantity 1

Package Length 10.4 in [26.4 cm]

Package Width 7.6 in [19.4 cm]

Package Height 2.5 in [6.4 cm]

Shipping (Package) Weight 2.3 lb [1.0 kg]

What's in the Box

Included in Package

- 1 - Local HDMI Extender Unit
- 1 - Remote HDMI Receiver Unit
- 2 - IR Receiver
- 2 - IR Blaster
- 1 - 7ft. [2.1m] Fiber Optic Patch Cable
- 2 - Foot Pad Set
- 2 - Universal Power Adapter NA / UK / EU / AU
- 1 - User Manual

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