Micro Mini 4K HDMI Fiber Extender

Features

- HDMI 1.4a and HCCP1.2 Support
- Uncompressed transmission, No delay, No losses
- DDC CEC HPD Signal Support
- Data rate up to 10.3Gbps
- Transmit up to 80km over fiber cable
- Supports all modes up to 4K*2K@30Hz Resolution
- USB-C Connector for Power Input
- Hot-Pluggable, EMI/RFI Resistant
- Miniature form factor for ease of use and installation
- Operating Case Temperature: -10~60°C

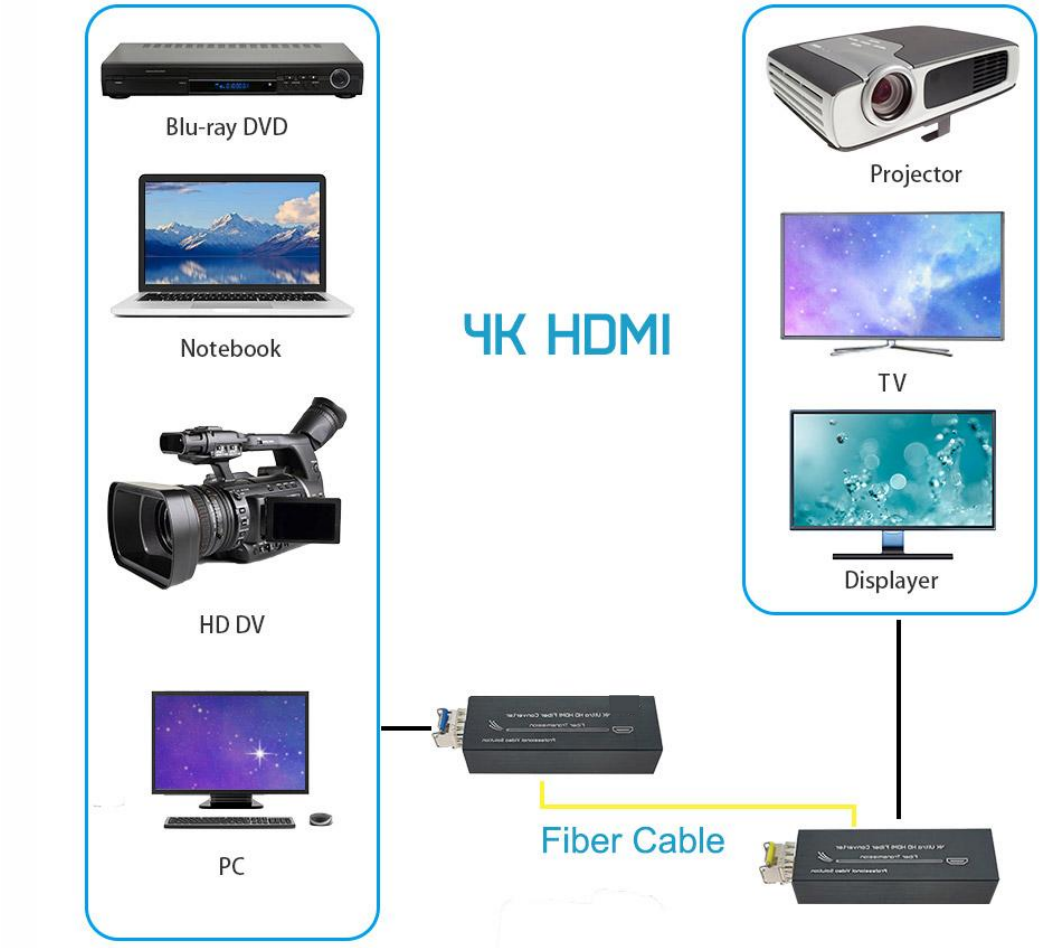


Overview

The LNK-MH4K Series 4K HDMI Fiber Extender are designed to support transmission of an uncompressed lossless HDMI 1.4a signal over optical fiber up to distances of 80km, at a resolution of 4Kx2K.

The Transmitter converts an HDMI signal to a single 10Gb/s serial data stream for transmission over optical fiber. The Receiver converts the serial data back to an HDMI signal. The transceivers are RoHS compliant and lead-free per requirements in Europe and China. This product is ideal for large-screen display, conferencing systems and home entertainment and so on. The device has the ability of anti-interference, to ensure the stability of the signal.

Application



Technical Indexes

Type of Extender	Fiber Transmitter for HDMI signal over Optical Fiber Cable
Input Signals	HDMI
Connector	Female HDMI type A
Signal Support	HDMI 1.4a HDMI format standard and HDCP compliant
Video Support	1920x1200 / 1080p@60Hz, up to 4K*2K@30Hz
Audio Support	Dolby TrueHD, Dolby Digital Plus, DTS, DTS-ES 6.1, DTSHD, DTS-HD-HRA, DTS-HD Master, (PCM-2CH)
Chroma Subsampling	Color space 420, 400
Dynamic EDID	Plug & Play, no need to learn
Fiber Connector	SFP/LC

Bandwidth	10.3Gbps
Transmission Distance	300m (Over OM3 Fiber)
	Up to 80km (Over Single-mode Fiber)
Operating Temperature	-10 to + 60°C
Storage Temperature	-20 to + 85°C
Humidity	5% to 90% RH (non-condensing)
MTBF	100,000 hours
Dimension (WxDxH)	3.07 x 1.06 x 0.69in (78x27x17mm)
Weight	50g / 0.11 lb
Power Supply	5V DC (USB-C)
Power dissipation	<5W
Safety Approvals	CE, FCC, RoHS

Ordering Information

Model	Description
ZP-MH4K-MM	Micro Mini HDMI Fiber Extender: 1-Ch HDMI 1.4a Video Signal(4K*2K), OM3 Multi-mode Dual Fiber, 300 meters, LC, including 1 transmitter & 1 receiver, USB Power Input
ZP-MH4K-S20	Micro Mini HDMI Extender: 1-Ch HDMI 1.4a Video Signal(4K*2K), Single-mode Single Fiber, 20km, LC, including 1 transmitter & 1 receiver, USB Power Input
ZP-MH4K-S40	Micro Mini HDMI Extender: 1-Ch HDMI 1.4a Video Signal(4K*2K), Single-mode Single Fiber, 40km, LC, including 1 transmitter & 1 receiver, USB Power Input
ZP-MH4K-80	Micro Mini HDMI Extender: 1-Ch HDMI 1.4a Video Signal(4K*2K), Single-mode Dual Fiber, 80km, LC, including 1 transmitter & 1 receiver, USB Power Input
ZP-MH4K-S80	Micro Mini HDMI Extender: 1-Ch HDMI 1.4a Video Signal(4K*2K), Single-mode Single Fiber, 80km, LC, including 1 transmitter & 1 receiver, USB Power Input