Mini 4K DVI Fiber Optic Extender with Stereo Audio

Features

- ► DVI 1.0 and HDCP1.2 Support
- ► Uncompressed transmission, No delay, No losses
- ► DDC HPDT Signal Support
- ► Data rate up to 10.2Gbps
- ► Transmission distance up to 80km over fiber cable
- ► Supports All Modes up to maximum 4K*2K@60Hz, YUV 4:2:0
- ► Support 3.5mm External Stereo Audio
- ► Hot-Pluggable, EMI/RFI Resistant
- ► Miniature form factor for ease of use and installation
- ► Operating Temperature: -10~50°C

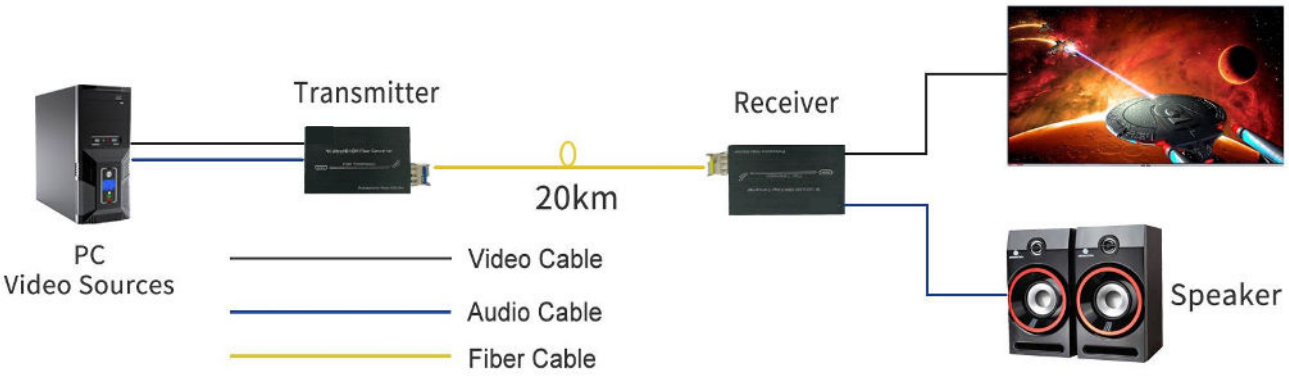


Overview

The LNK-MDA4K Series 4K DVI Fiber Extender are designed to support transmission of uncompressed DVI signal and audio signal over optical fiber up to distances of 80km, at a resolution of maximum 4K*2K@60Hz, YUV 4:2:0.

The Transmitter converts DVI signal to a single 10Gb/s serial data stream for transmission over optical fiber. The Receiver converts the serial data back to an DVI 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 DVI signal over Optical Fiber Cable
Input Signals	DVI
Connector	DVI-D
Signal Support	DVI 1.0 format standard and HDCP compliant
Video Support	Up to 720P/960P/1080p@60Hz, 4K*2K@60Hz
Audio Support	Dolby TrueHD, Dolby Digital Plus, DTS, DTS-ES 6.1, DTSHD, DTS-HD-HRA, DTS-HD Master, (PCM-2CH)
Chroma Subsampling	Max 3840*2160@60Hz (4:2:0) Max 3840*2160@30Hz (4:4:4, 4:2:2)
EDID	Bi-Directional (Forward + Backward) Transmission: Support Dynamic EDID, Plug & Play, no need to learn Single-Directional (Forward) Transmission: Support EDID learning manually
Audio Interface	3.5MM external stereo audio
Fiber Connector	SFP/LC
Bandwidth	10.2Gbps
Transmission Distance	300m (Over OM3 Fiber)
	Up to 80km (Over Single-mode Fiber)
Operating Temperature	-10 ~ + 50°C
Storage Temperature	-20 ~ + 80°C
Humidity	5% to 90% RH (non-condensing)
MTBF	100,000 hours
Dimension (WxDxH)	2.87 x 1.73 x 0.69in (73x44x17mm)
Weight	60g / 0.13 lb
Power Supply	5V DC (USB-C)
Power dissipation	<5W
Safety Approvals	CE, FCC, Rohs

Ordering Information

Model	Description
ZP-MDA4K-MM	Mini DVI Fiber Extender: 1Ch DVI Signal(4K*2K) + 1Ch Stereo Audio, OM3 Multi-mode Fiber, 300 meters, LC, including 1 transmitter & 1 receiver, 5V DC Power Input
ZP-MDA4K-S20	Mini DVI Fiber Extender: 1Ch DVI Signal(4K*2K) + 1Ch Stereo Audio, Single-mode Fiber, 20km, LC, including 1 transmitter & 1 receiver, 5V DC Power Input
ZP-MDA4K-S40	Mini DVI Fiber Extender: 1Ch DVI Signal(4K*2K) + 1Ch Stereo Audio, Single-mode Fiber, 40km, LC, including 1 transmitter & 1 receiver, 5V DC Power Input
ZP-MDA4K-S80	Mini DVI Fiber Extender: 1Ch DVI Signal(4K*2K) + 1Ch Stereo Audio, Single-mode Fiber, 80km, LC, including 1 transmitter & 1 receiver, 5V DC Power Input