

Mini 4K HDMI Video to Fiber Optical Converter

Overview

Ho-Link Mini 4K HDMI fiber to video/audio is composed of the transmitter and the receiver. The video/audio output from the computer host (HD video signal source, HD DVD/DVR and other devices) are extended to the remote user through optical fiber, and the image and sound of the computer host are broadcasted in real time at the remote end.

Appearance



Features

1. Mini 4K 30Hz HDMI optical transmitter and receiver can transmit video images with maximum resolution of 4096*2160@30Hz, single fiber or dual fiber.
2. HDMI transmitter transmit one channel HDMI1.4 uncompressed video signal.
- 3.The transmitter encode the HDMI video signal into 10 Gb/s serial data and transmit it with the fiber, receiver convert serial data to HDMI signal.
- 4.Mini 4K 30HZ HDMI optical converter use the LC fiber connector. Through the standard micro-USB terminal +5 V power supply.

Specifications

- 1.Maximum support 4096*2160@30Hz
- 2.Support HDM11.4



Technical Data-sheet

- 3.Support DDC CEC HPD signal
- 4.No need to set, fully adaptive, automatic identification EDID and CEC
- 5.Multi mode transmission 300m, single mode transmission 10Km
- 6.Standard HDMI terminal
- 7.Built-in USB terminal for power supply
- 8.Support for hot plug
- 9.Good EMI/RMI resistance
- 10.Fiber module 1310nm or 1310nm/1550nm wavelength
- 11.Use LC optical connector

Technical Indexes

Parameter	Specifications
Rate per channel	10Gbps
Power consumption	1420 mW TX Side 1220 mW RX Side
Power supply	5V/+5%
Maximum resolution	4096*2160@30Hz
Refresh frequency	Up to 30 Hz
Color depth	Up to 48-bit
Wavelength	Multi mode 1310nm 300m , single mode 1310nm/1550nm 10km
Bit Error Rate Performance	1.00E-12
Laser output power	TX power >-5 db RX Sensitivity >-14 db
Dimensions	79.2*20*10.3mm
Packing size	210*150*60mm
Weight	0.25kg/pair
Electrical Interface	19 Pins HDMI Type Port 5 Pins USB Standard B
Operating temperature	Working Temperature: -20°C ~70°C Storage Temperature: -40°C ~85°C

Packing list

- | | | |
|------------------|-------------|-------|
| HL-MN-4KMI-1V-TL | Transmitter | 1 pcs |
| HL-MN-4KMI-1V-RL | Receiver | 1 pcs |

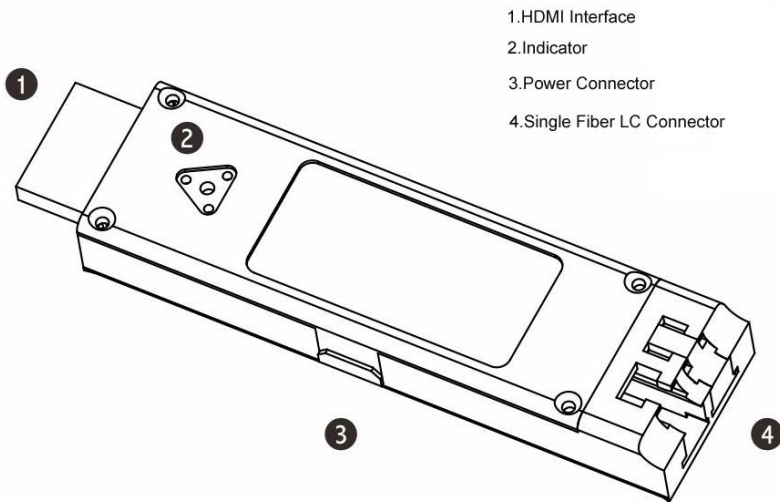
Technical Data-sheet

Micro-USB interface +5V adapter 2 pcs

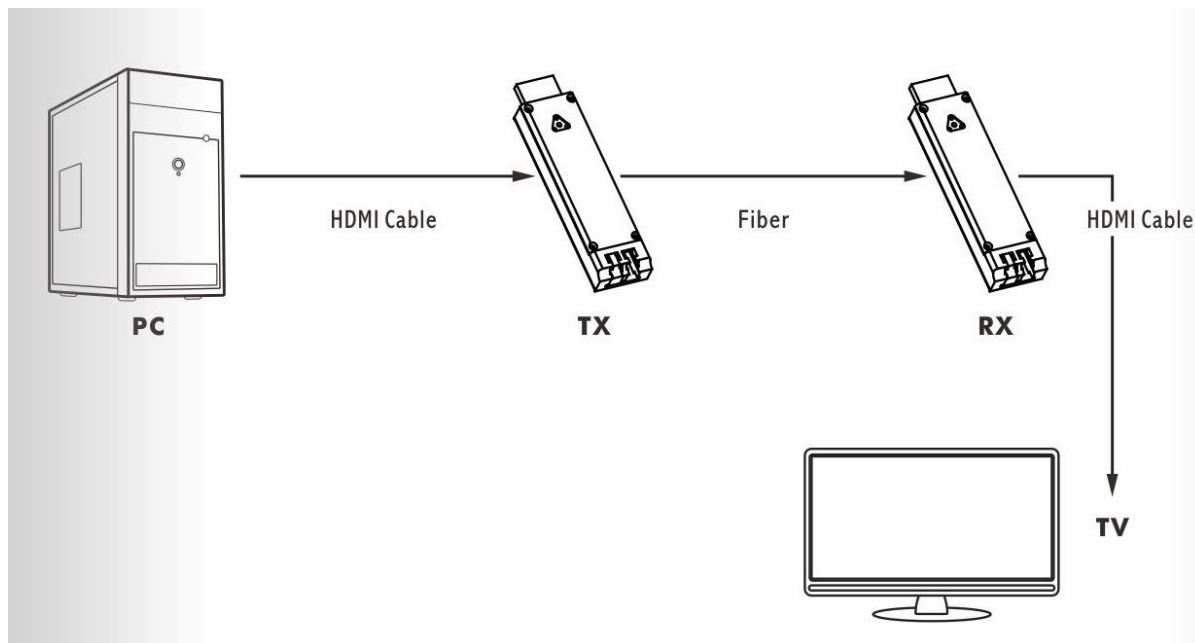
User's Manual

Please check carefully whether the above items are included , If any item(s) missing, please contact the manufacturer.

Size & Dimension



Connection Diagram



Indicator Status Description



Technical Data-sheet

Transmitter powered on — red light

Receiver powered on — red light

Transmitter video input — purple light

Fiber signal status — purple light (if red light is on means no fiber signal)

Link Steps

1. HDMI optical transmitter connect to HDMI video sources
2. HDMI optical transmitter insert to LC fiber
3. HDMI optical transmitter USB plug in to +5V power supply
4. HDMI optical receiver connect to monitor
5. HDMI optical receiver insert to LC connector and connect to HDMI optical transmitter
6. HDMI optical receiver USB plug in to +5V power supply

Ordering Information

Model Number		Fiber Mode	Transmission Distance	Fiber Connector
Transmitter	Receiver			
HL-MN-4KMI-1V-TL	HL-MN-4KHDMI-1V-RL	Single-Mode	10km	LC

Note:

- The Optical Power Budget data fit Mult-mode(62.5/125m), Single-Mode(9/125m).
- Optical transmission distance is limited to optical loss of the fiber and any additional loss introduced by connectors, splices and patch panels.
- Maximum transmission distance is also limited by fiber bandwidth.
- Power adapter is manufactured by third party and is supplied with fitted screw-terminal output cables. Power adapter is compatible with (for standalone) US, European, UK or Australian power plug.