

HDMI Fiber Optic Extender with Audio

Description

The HDMI Fiber optic extender provides extension of HDMI and 3D signals long distances over one fiber optic cable, it supports high resolution up to 1080P, EDID copy function, Support separate audio port. The extender can use for a wide range of applications requiring long distance transmission of high resolution with high quality by its good stability and powerful security.

Features

- Transmits HDMI video signals up to 2km-20km over one fiber optic cable;
- Support video resolution up to 1920*1080@60Hz, 3D signal;
- Support Separate Audio Port.
- Support copy EDID, can match many kind display device;
- Compliance with HDMI 1.3 and HDCP 1.2 standard;
- High compatibility, can auto-match source and display device;
- Built-in automatic adjustment system, make the image smooth, clear and stable;
- Built-in ESD protection system;
- Simple to install, plug and play;

Specifications

| Parameter | | Description |
|---------------|-----------------------|---|
| Video | Standards | HDMI 1.3; HDMI1.4; HDCP 1.2 |
| | Maximum pixel clock | 165MHz |
| | Maximum data rate | 6.75Gbps |
| | Resolution range | Up to |
| | Connector | Female HDMI type A |
| | Impedance | 100Ω |
| Optical fiber | Interface | SC/FC Connector |
| | Fiber type | Multi-mode / single-mode (optional1920X1080P@60Hz) |
| | Wavelength | Multi-mode 850nm / Single-mode 1310nm(optional) |
| | Interface bandwidth | 10Gbps |
| | Transmission distance | OM3 multi-mode fiber: maximum 300m, Single-mode fiber: standard 2km;maximum 20km |
| Other | Power supply | The power adapter: DC 5V/2A |
| | Power dissipation | MAX 5W |
| | Temperature | Operating: -30°C~ +75°C |
| | Humidity | Operating: 5% ~ 90% |
| | Dimension | 94.5*73*26mm |
| | The warranty | 1 years free warranty, life-long maintenance |

Panel

Transmitter:

Receiver:



| Port name | Description |
|---------------|--|
| HDMI IN/OUT | HDMI signal input/output |
| EDID | EDID button, press 3 second to copy EDID of display device |
| DC/5V | Power adapter socket |
| FIBER | SFP model --- LC connector |
| LED indicator | Description |
| L | Optical fiber signal connection indicator |
| S | Video signal connection indicator |
| P | System power indicator |

1. Package list

- HDMI optical fiber transmitter 1 pc
- HD-MI optical fiber receiver 1 pc
- Fiber optic module TX/RX1 set
- Power adapter2 pcs
- User manual 1 pc

1. Installation

1. Connect the provided DC/5V power supplies to the power socket of the transmitter and the receiver,
2. Connect an HD-MI cable between the HD-MI input port of transmitter and the HD-MI output port of the video source,
3. Connect the HD-MI output port of receiver to the display device with HD-MI cable,
4. Connect the transmitter optical port to the receiver optical port using one fiber optic cable.