HDMI Fiber Optic Extender

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. 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.

<u>Features</u>

- Transmits HD MI video signals up to 2km-20km over one fiber optic cable;
- Support video resolution up to 1920*1080@60Hz, 3D signal;
- Support copy EDID, can match many kind display device;
- Compliance with HM-DI 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	HD-MI 1.3; HD-MI1.4; HD-CP 1.2
	Maximum pixel clock	165MHz
	Maximum data rate	6.75Gbps
	Resolution range	Up to
	Connector	Female HD-MI type A
	Impedance	100
Optical fiber	Interface	SFP model – LC connector/SC
	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 10km
Other	Power supply	The power adapter: DC 5V/2A
	Power dissipation	MAX 5W
	Temperature	Operating: -30　~ +75
	Humidity	Operating: 5% ~ 90%
	Dimension	94.5*73*26mm
	The warranty	1 years free warranty, life-long maintenance

Port name	Description
HD MI IN/OUT	HD-MI 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**

   HD-MI optical fiber transmitter ………. 1 pc
   HD-MI optical fiber receiver ……………. 1 pc
   Fiber optic module TX/RX ……………….1 set
   Power adapter ………………………………..2 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.