

HDMI Fiber Optic Extender

User Manual

HDEX-OPT1

1.Description

The Fiber optic extender provides extension of HDMI signals long distances over one fiber optic cable, it supports high resolution up to 1080P . 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.

2.Features

- Transmits HDMI video and audio signals up to 20km over one fiber optic cable;
- Support video resolution up to 1920*1080@60Hz;
- 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;

3.Package list

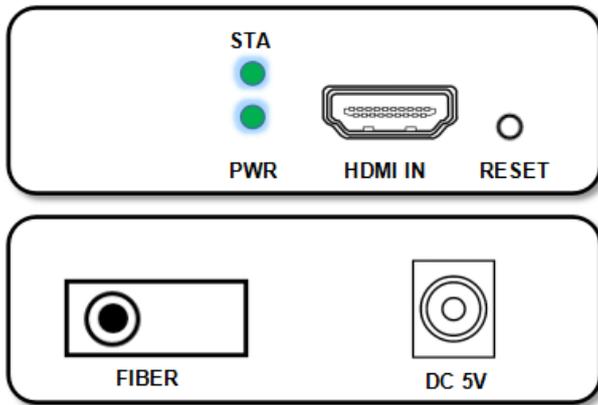
- HDMI optical fiber transmitter 1 pcs
- HDMI optical fiber receiver 1 pcs
- Power adapter2 pcs
- User manual 1 pcs

4.Specifications

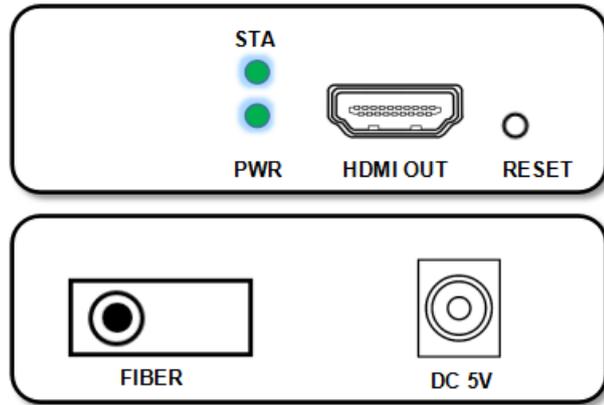
	Parameter	Description
Video	Standards	HDMI 1.3; HDCP 1.2
	Maximum pixel clock	165MHz
	Maximum data rate	6.75Gbps
	Resolution range	Up to 1920X1080P@60Hz
	Connector	HDMI-A
	Impedance	100Ω
Optical fiber	Interface	SC/FC connector
	Fiber type	Single Mode
	Wavelength	TX:1310nm/RX:1510nm
	Interface bandwidth	155Mbps
	Transmission distance	Standard: 20km;
Other	Power supply	The power adapter: DC 5V
	Power dissipation	MAX 5W
	Temperature	Operating: -5°C ~ +70°C
	Humidity	Operating: 5% ~ 90%
	Dimension	102*72*25mm
	The warranty	1 year free warranty

5.Panel

Transmitter:



Receiver:



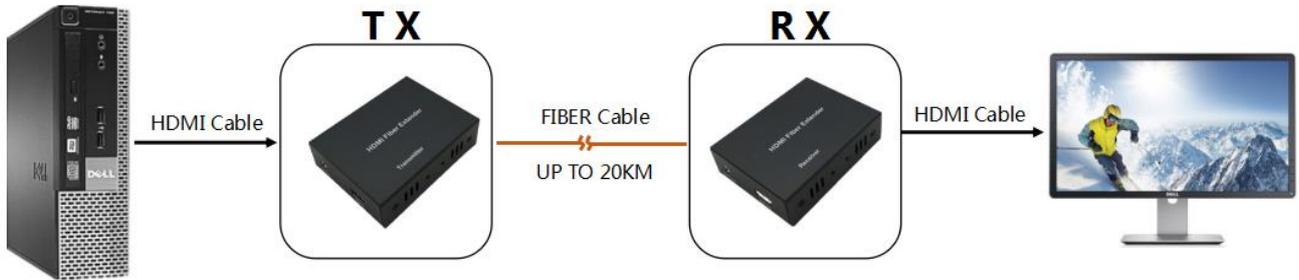
Port name	Description
HDMI IN/OUT	HDMI signal input/output
FIBER	Optical fiber interface
DC 5V	Power adapter socket
RESET	Restore button, press for 5 second to restore system setting to factory default
LED indicator	Description
STA	Video signal connection indicator
PWR	System power indicator

6.Installation

1. Connect the provided DC 5V power supplies to the power socket of the transmitter and the receiver,
2. Connect an HDMI cable between the HDMI input port of transmitter and the HDMI output port of the video source,

3. Connect the HDMI output port of receiver to the display device with HDMI cable,
4. Connect the transmitter optical port to the receiver optical port using one fiber optic cable,

7.Diagram



8.Warranty

Thank you very much for using our products.

The warranty time is one year and life-long maintenance. During this period, any belongs to under normal usage circumstance cause because of the product quality' s problem of breakdown, our company will be responsible for giving free maintain.

Free maintain won' t be given under the following circumstance:

- The malfunction and damaged caused by incorrect use, the unauthorized repairs and alteration;
- The damage caused by fire, flood, abnormal voltage, other natural disasters and secondary product damage;
- The product malfunction caused by not in accordance with the user manual operation;
- The malfunction and damaged caused by the other barriers (man-made factors or external device);