

# EOHS-02002

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## HDMI Fiber Optic Extender User Manual

## 1. Description

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The E0HS-02002 Fiber optic extender provides extension of HDMI signals long distances over one fiber optic cable, it supports high resolution up to 1080P and IR transmission. 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

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- l Transmits HDMI video and audio signals up to 20km over one fiber optic cable;
- l Support video resolution up to 1920\*1080P@60Hz;
- l Support IR transmission;
- l Compliance with HDMI 1.3 and HDCP 1.2 standard;
- l High compatibility, can auto-match source and display device;
- l Built-in automatic adjustment system, make the image smooth, clear and stable;
- l Built-in ESD protection system;
- l Simple to install, plug and play;

### 3. Specifications

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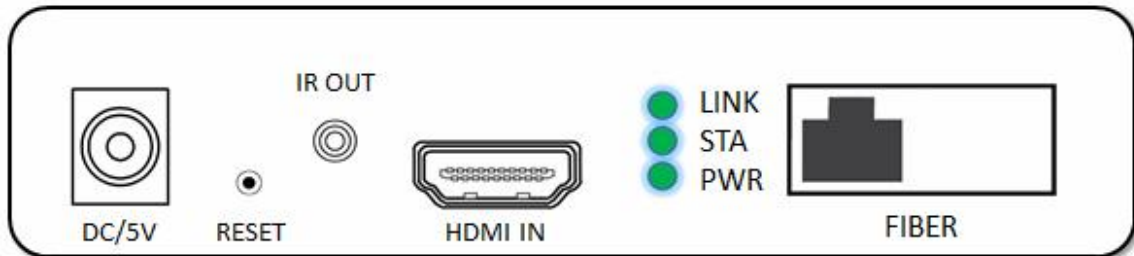
Parameter		Description
Video	Standards	HDMI 1.3; HDCP 1.2
	Maximum pixel clock	165MHz
	Maximum data rate	6.75Gbps
	Resolution range	Up to 1920X1080P@60Hz
	Connector	Female HDMI type A
	Impedance	100Ω
Infrared	Interface	3.5mm earphone seat
	Signal type	Digital
	Transmission direction	Unidirectional
	Carrier frequency	38kHz
Optical fiber	Interface	SC/FC connector
	Fiber type	Single Mode
	Wavelength	1310nm, 1510nm
	Interface bandwidth	6.25Gbps
	Transmission distance	Standard: 20km; maximum: 80km
Other	Power supply	The power adapter: DC 5V/2A
	Power dissipation	MAX 5W

	Temperature	Operating: -5°C ~ +70°C
	Humidity	Operating: 5% ~ 90%
	Dimension	113*80*28mm
	The warranty	1 year free warranty

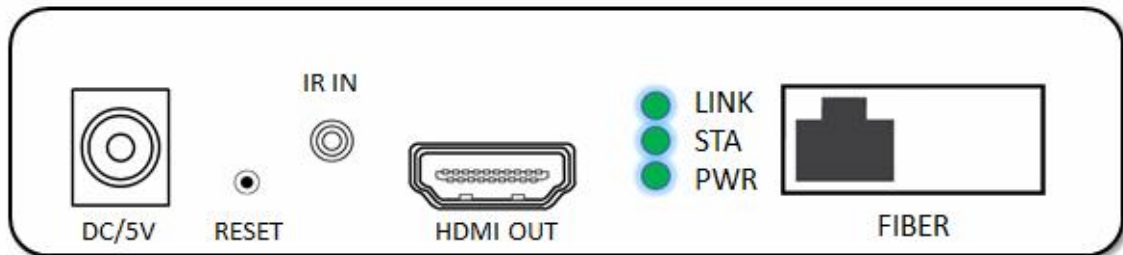
## 4. Panel

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Transmitter:



Receiver:



Port name	Description
HDMI IN/OUT	HDMI signal input/output
IR IN/OUT	Infrared 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
LINK	Optical fiber signal connection indicator

STA	Video signal connection indicator
PWR	System power indicator

## 5. Package list

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- I HDMI optical fiber transmitter ..... 1 pc
- I HDMI optical fiber receiver ..... 1 pc
- I IR transmit/receive terminal .....1 set
- I Power adapter .....2 pcs
- I User manual ..... 1 pc

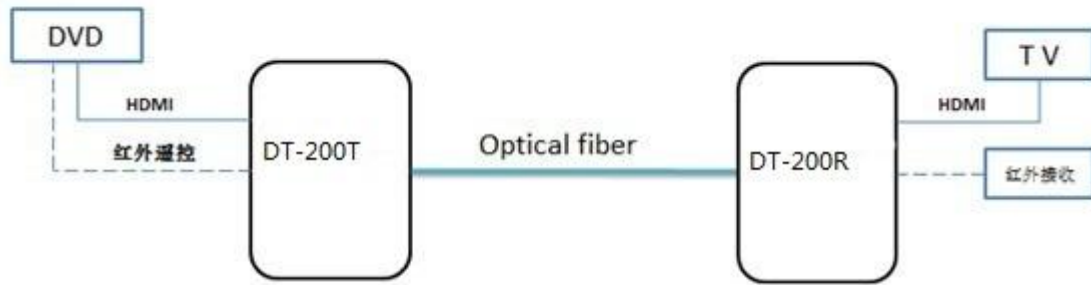
## 6. Installation

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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,
5. Infrared function---connect the infrared receiver to the HDMI transmitter, connect the infrared transmitter to the HDMI receiver, and the infrared transmitter must face to the controlled device.

## 7. Diagram

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## 8. Warranty

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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:

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

Any problems in the after-sales service, please contact us directly.

After-sales service contact information:

Tel: 0755-83240274

E-mail: [Support@pwaytek.com](mailto:Support@pwaytek.com)

Web: [www.pwaytek.com](http://www.pwaytek.com)

Add: 5/FL, Block 3, Heng Chang Rong XingHui Technology Park, West Hua Ning Road, Da Lang Community, Longhua District, Shenzhen ,China.

Shenzhen Pinwei Technology Co., Ltd.

Warranty card

Product information

Model NO

Product code

Date of purchase

Malfunction description

Custom information

Name

Telephone

Company

E-mail

Address