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ST-FOHD-SC-ULC

HDMI Extender via Fiber Optic Cable

User Manual



HDMI[™]
HIGH-DEFINITION MULTIMEDIA INTERFACE

Thank you for purchasing this product. For optimum performance and safety, please read the instructions carefully and keep the manual for future reference.

Safety Precautions

Please read carefully the safety instructions below before installation and operation:

- ❖ Read and follow all instructions provided. Keep these instructions for future reference.
- ❖ No user serviceable parts within this unit- do not dismantle.
- ❖ Replace the power adapter only with one of equivalent specifications.
- ❖ Do not use this product near water. Do not expose to rain or moisture.
- ❖ Do not install near heat sources (i.e. furnace, heat registers, stoves, amplifiers, etc.).
- ❖ Clean this unit only with a dry cloth and always unplug this unit from the power source before cleaning.

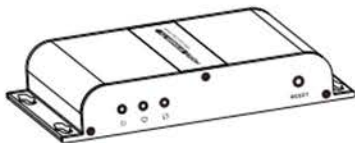
1. Introduction

This HDMI over fiber optic extender incorporates HDBiT transporting technology which allows you to extend a 1080p@60Hz video signal and IR signal up to 20KM. It can be used for video conferences, medical systems, shopping malls, multimedia presentations, etc.

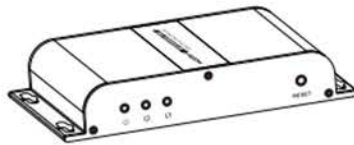
2. Features

1. Single mode fiber optic transmission.
2. No extra driver installation needed.
3. Transmit 1080p signal up to 20KM.
4. Supports IR pass back for easy control.
5. Avoids electromagnetic interference in environment with long transmission distances.
6. Low signal loss, wide frequency band and strong anti-interference.
7. High-end aluminum alloy enclosure design.
8. Wall-mountable design for convenient installation.

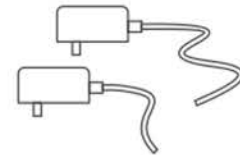
3. Package contents



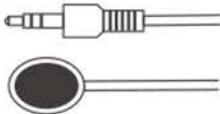
HDMI extender
TX*1pc



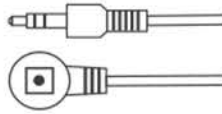
HDMI extender
RX*1pc



DC5V2A*2pcs



IR blaster extension
cable*1pc



IR receiver extension
cable*1pc



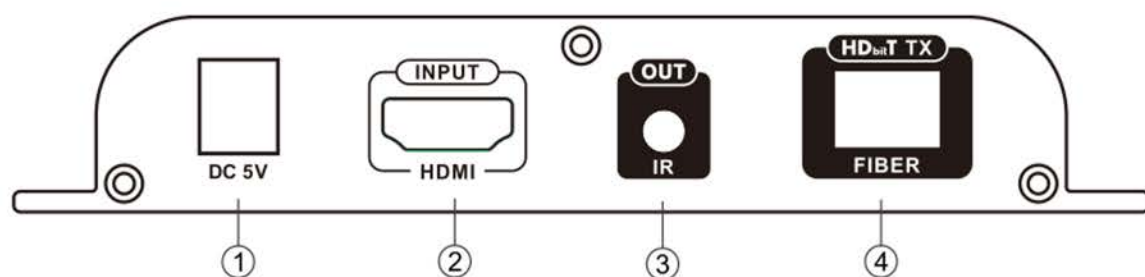
User's manual*1pc

4. Installation Requirements

1. Source device with HDMI output port (computer graphics card, DVD, PS3, HD monitor equipment etc).
2. Display device with HDMI input port (HDTV, projector).
3. HDMI cable and single mode fiber optic cable.

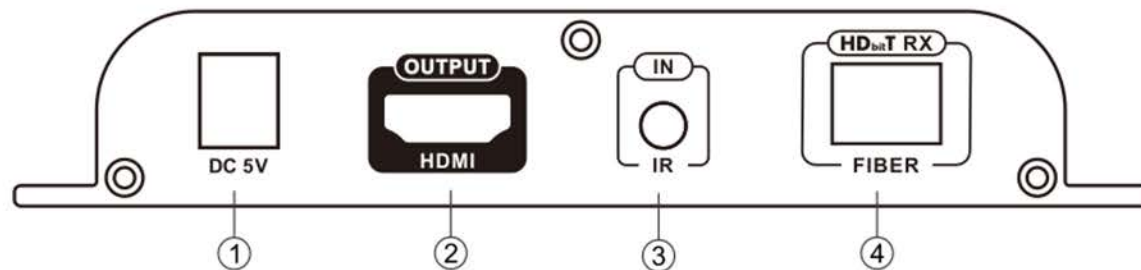
5. Panel description

5.1 Rear panel of HDMI extender TX



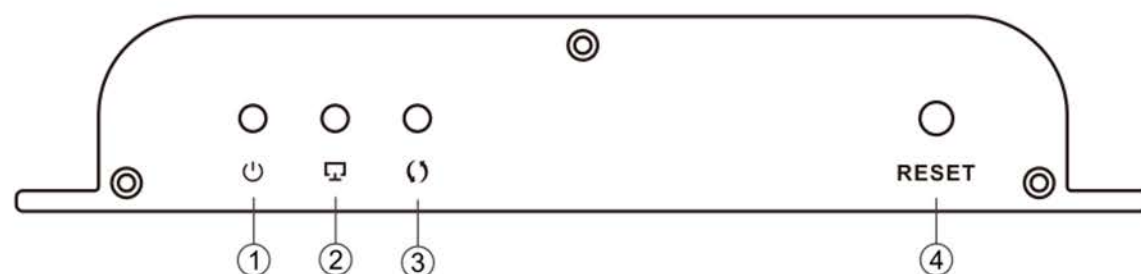
- ① Power input (DC5V)
- ② HDMI signal input
- ③ IR blaster extension cable port
- ④ Fiber optic signal send port

5.2 Rear panel of HDMI extender RX



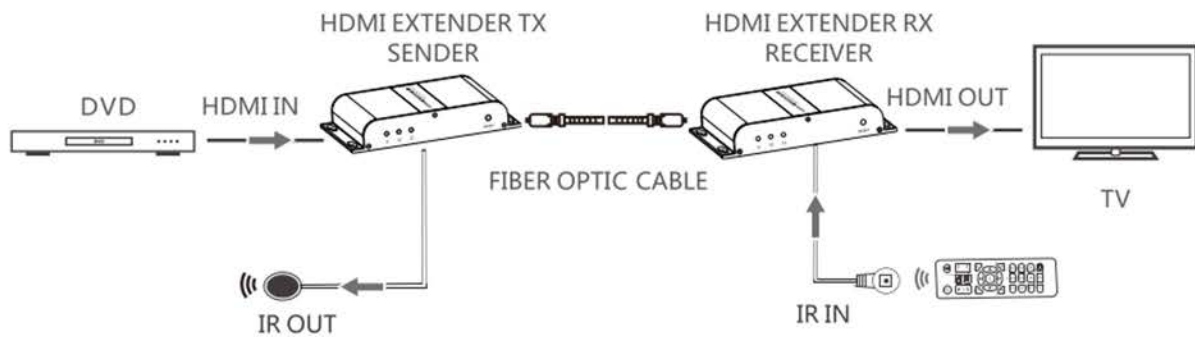
- ① Power input (DC5V)
- ② HDMI signal output
- ③ IR receiver extension cable port
- ④ Fiber optic signal receive port

5.3 Front Panel of TX and RX



- ① Power status indicator
- ② Network connection indicator
- ③ Data transmission indicator
- ④ Reset button

6. Connection and operation



7. FAQ

Q: TV displays "waiting for connection" on the bottom right corner?

A: Please check if the power supply of TX (sender) and the fiber optic cables are well connected.

Q: TV displays "HDBitT Reminder: Please check the TX input signal" ?

A: 1) please check if there is an HDMI signal input of sender TX.

2) Try to connect the source device directly with display device to see if there is signal output from source device or change the source device and HDMI cables to retest.

Q: Display not fluent and stable?

A: Click "reset" button on the TX/RX panel or reconnect power.

8. Specifications

Item	Specification
HDMI signal	Fully compatible with HDCP v1.4
Transportation protocol	HDBitT
Support resolution	480i@60Hz,480p@60Hz,576i@50Hz,576p@50Hz,720p@50/60Hz,1080i@50/60Hz,1080p@50/60Hz
DDC signal voltage	5Vp-p(TTL)
TMDS bandwidth	10.2Gpbs
Central wave length	1310nm
Transmission distance	Up to 20km
Link loss	≤14dB
Output light power	≥-11dBm
Receive sensitivity	≤-32dBm
Return loss	15dB
IR remote control	Supports a 20~60KHz IR remote control
Power supply	DC5V/2A * 2pcs
Power consumption	TX<5W RX< 5W
Working temperature	0°C ~ 60°C
Enclosure material	Aluminum alloy
Product dimension	137x78x23mm (WxDxH) *2pcs
Weight	TX:191g RX:195g
Color	Black