HDMI

HIGH-DEFINITION MULTIMEDIA INTERFACE ®

USER MANUAL

HDMI/KVM Extender over Fiber 20km (4K@60Hz)

Enjoy the vivid world

Introduction

HDMI fiber extender is a device transmitting HD audio and video signal via bidirectional single fiber cable. It transmits your HD display with the high resolutions up to 20km. It support IR, RS232 and KVM function.By using bidirectional single fiber LC interface, it has the characteristics of low cost and stable signal transmission. It can be used in security monitoring, high-definition signals between buildings, square large screens and other long-distance HDMI signal transmission fields.
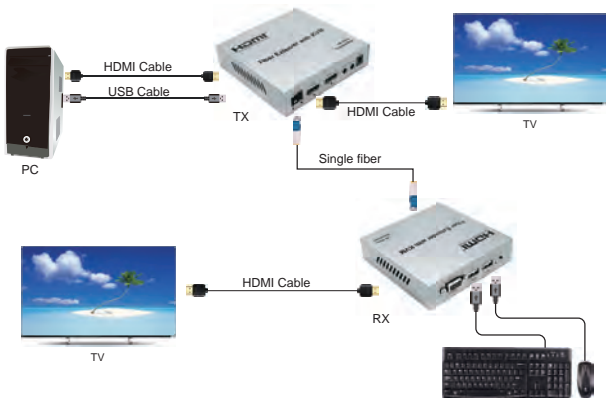

Features

* Support HDMI 4K@60Hz/HDCP2.2;
* Support transmitter HDMI Loop out;
* Support 3.5mm stereo output;
* Support IR;
* Support KVM;
* Support RS232;
* Comply with SFP MSA and SFF-8472 standard protocol;
* Pure hardware design, plug and play, do not need to install additional software;
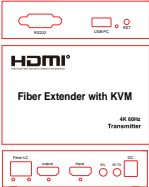* Support 4K to 1080P resolution (Downscaling).

Specifications

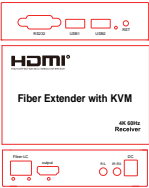|	
HDMI Version	4K@60Hz / HDCP2.2
HDMI resolution	The highest input resolution is 3840*2160@60Hz
Audio format	L-PCM
Fiber wavelength	1310nm; 1550nm
Fiber transmission distance	20km
The maximum operating current	1.5A/5V DC(TX), 1.2A/5V DC (RX)
Operating Temperature range	(-10°C～ +55°C)
Dimension (L x W x H)	106x106x17(mm)
Weight	TX:272.1g RX:273.1g

Connection diagram

Physical interface diagram

Interface	Function
RS232	RS232 port
USB-PC	USB port (connect to PC)
RST	Reset button
Fiber-LC	Fiber -LC type fiber port
Output	HDMI Signal output port
Input	HDMI Signal input port
R/L	3.5mm stereo output
IR-TX	IR transmitter port
DC	5V Power Interface

Interface	Function
RS232	RS232 port
USB1	USB port (connect with keyboard and mouse)
USB2	USB port (connect with keyboard and mouse)
RST	Reset button
Fiber-LC	Fiber -LC type fiber port
Output	HDMI Signal output port
R/L	3.5mm stereo output
IR-RX	IR receiver port
DC	5V Power Interface

Application scene

Outdoor video wall

Shopping mall video wall

Monitor room

Package include

1: HDMI fiber extender transmitter	1PCS	2: HDMI fiber extender receiver	1PCS
3: DC 5V/2A power supply	2PCS	4: User manual	1PCS
5: IR Cable	1PAIR		