

HDMI KVM OPTIC EXTENDER 20KM

Product introduction

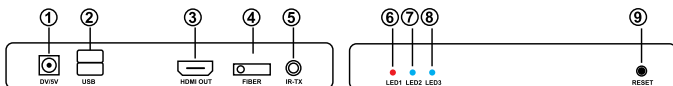
1. This product can transmit HDMI video signal losslessly over long distance through fiber optic cable, which will save a lot of cost compared with expensive HDMI cable. It adopts powerful HDMI extension technology, high speed transmission rate, and supports local 1-channel HDMI signal loop through output, with IR infrared 、KVM back transmission distance up to 20KM.
2. HDMI extender fiber is designed for network flat-panel display and screen wall display engineering, industrial automation control, medical equipment, security monitoring, multimedia teaching shows that the high quality HDMI video signal for long distance transport needs professional design HDMI signal conversion, drive, receiving and restore functionality to a signal transmission system.



Product features

- 1.Support HDMI1.3,HDCP1.1 and 1.2 protocols.
- 2.Support 1080P60fps, 1080i, 720P, 576P, 480P and other resolutions.
- 3.maximum transmission distance is 500 meters for multi-mode and 20 kilometers for single-mode.
- 4.Support infrared control, remote control to receive STB or blu-ray DVD field.
- 5.Support KVM(mouse and keyboard) remote control.
- 6.Integrated module design, high quality metal shell, good heat dissipation and stable working for a long time.
- 7.Synchronous transmission of audio and video, plug and play, simple and convenient.

Receiver



- 1:DC 5V Power input
- 2:USB port (Keyboard/mouse)
- 3:HDMIOutput port
- 4:Fiber Interface INput port
- 5:IR TX
- 6:Power indicator
- 7:Fiber indicator(Normal light is always on)
- 8:Fiber Data transmission indicator light (Normal light flashing)
- 9:Reset button (long press is effective)

Connection and operation

- 1.Connect the HDMI source (such as DVD, PS3, STB) to the "HDMI IN" of transmitter by HDMI cable.
- 2.Use HDMI cable to connect the transmitter HDMI OUTI to the local display for hd signal ring out display.
- 3.Connect the "HDMI out" of Receiver to HDTV display by HDMI cable.Connect the transmitter and the receiver by Fiber cable, distance can up to 20km.
- 4.Connect two pieces of 5V power supply to the transmitter and receiver, ower supply for the equipment and the LED indicator light on. When status lamp on and flicker, equipment starts normal.Connect the "IR receiver "into "IR-TX" port on transmitter, and "IR transmitter" into the "IR-RX" on receiver, and make sure the IR transmitter aim at IR Receiver of the controlled device if you need theIR control function.
- 5.The transmitter USB port is connected to the computer, and the receiver dual USB port is connected to the keyboard and mouse, which can realize remote control of the computer at the display endOr other equipment.

Package contents :

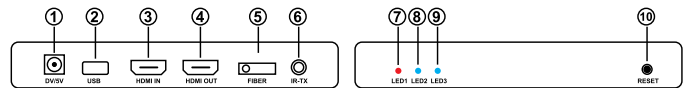
- 1x Transmitter • 1x Receiver • 2x 5V/2A Power Supply
- 1x IR transmitter 1x IR receiver (optional)
- 1x User's Manual

Product parameters

Input resolution	480p, 576p,720p,1080i,1080p60fps
Input audio	Sample rate:32kHz,44.1kHz,48kHz
IR frequency	38 KHz
HDMI/HDCP	HDMI 1.3/HDCP 1.2
Fiber Interface	Single fiber single mode :SC interface
Power adapter	DC:5V/2A
Power consumption	≤5W
Size(L-W-H)	160*80*28mm
Weight	350gx2
Operating Temperature/Humidity	0°C-70°C/10%-80%RH(no condensation)
Storage Temperature/Humidity	-10°C-80°C/5%-90%RH(no condensation)

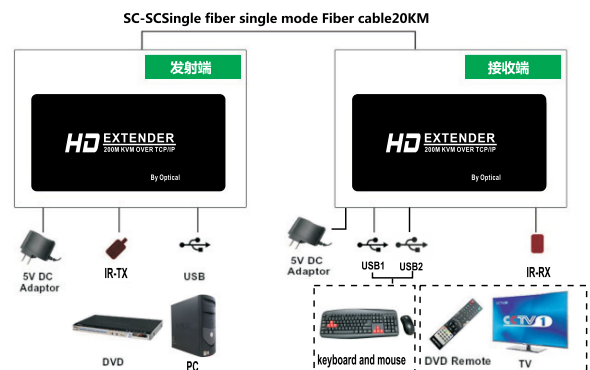
Physical interface diagram

Transmitter



- 1:DC 5V Power input
- 2:USB port (to PC)
- 3:HDMI Input port
- 4:HDMIOutput port
- 5:Fiber Interface Output port
- 6:IR TX
- 7:Power indicator
- 8:Fiber indicator(Normal light is always on)
- 9:Fiber Data transmission indicator light (Normal light flashing)
- 10:Reset button (long press is effective)

Application diagrams



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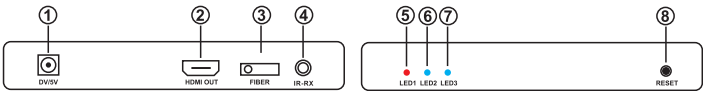
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Receiver



- 1:DC 5V Power input
- 2:HDMIOutput port
- 3:Fiber Interface INput port
- 4:IR-RX
- 5:Power indicator
- 6:Optical indicator(Normal light is always on)
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- 8:Reset button (long press is effective)

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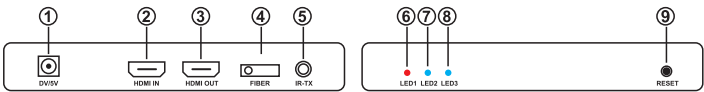
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