HDMI H.264 Wireless extender

USER MANUAL

IN-E50

1.Description

HDMI extender with a standard Ethernet TCP/IP protocol, through wireless WIFI signal transmission HD audio and video signal, which can realize the one-to-many application, at the same time, with infrared extensions to make remote control more convenient.The equipment has excellent image processing and transmission capacity, makes signal transmission more smooth and steady, is a kind of economic and efficient way of HDMI signal extension.
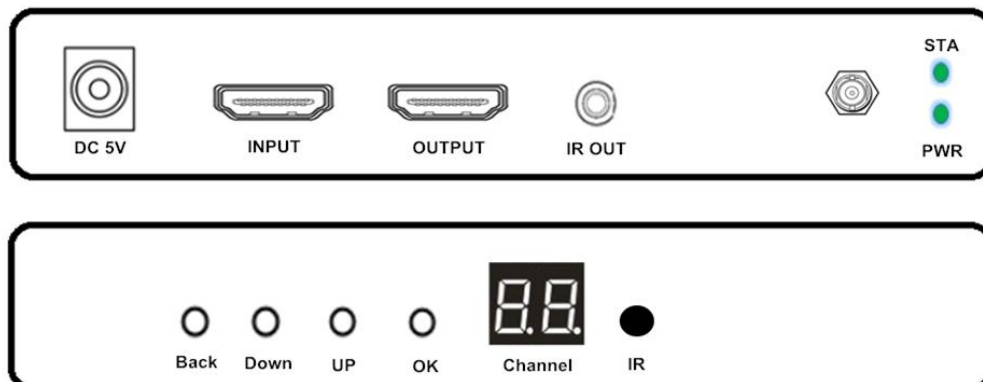
2.Features

1. HDMI video and audio transmission via wireless WIFI, up to 50 meters
2. HD video signal resolution up to 1920 * 1080 @ 60 Hz
3. HDMI 1.3 compatible
4. Support remote control switch video source
5. Special format is used to compress and decompress video, effectively improve the transfer efficiency, to ensure that the playback fluency
6. In accordance with standard 1.2 HDCP, high-bandwidth digital content protection technology
7. Support external remote infrared extension, easy to operate the remote device
8. Able to automatically identify and configure a variety of display mode
9. Built-in automatic balance system, the picture is fluent, clear and stable
10. The built-in ESD electrostatic protection circuit, comprehensive security protection system
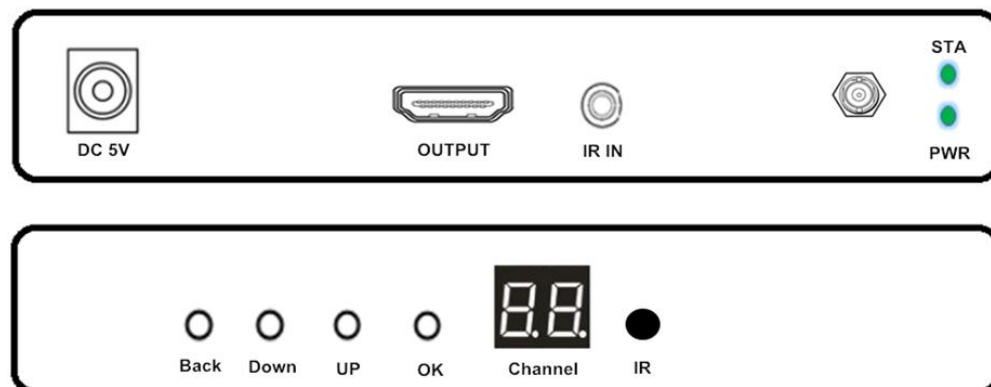11. Simple and convenient installation, plug and play, do not need to set up

3.Specifications

Parameter		Description
Video	Standards	HDMI 1.3; HDCP 1.2
	Compressed format	H.264
	Maximum pixel clock	165MHz
	Maximum data rate	6.75Gbps
	Resolution	Max: 1920X1080p@60Hz
	Connector	HDMI-A
	Impedance	100Ω
	Recommend HDMI maximum input/output range	Less than 5 meters, when 1920 x1080p @ 60 Hz
IR	Interface	3.5mm Stereo audio socket
	Signal direction	Unidirectional
	Signal type	Digital
	IR frequency	20-60kHz
WIFI	Radio Frequency power	13dbm
	Wireless standards	802.11ac
	signal direction	Unidirectional
	Radio frequency	2.4GHz/5GHz
	Transmission distance	50M
Other	Power	Adapter:DC 5V
	Power dissipation	MAX 9W
	Temperature	Operating：-5℃ ~ +70℃
	Humidity	Operating：5%～90%
	Size	119*82*23mm

4.Panel

Transmitter：

Receiver：

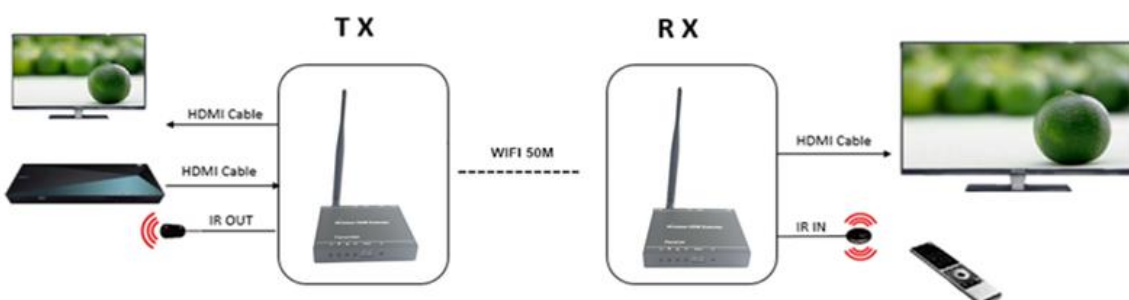| Port name	Description
HDMI IN/OUT	HDMI signal input/output
IR IN/OUT	IR signal input/output
IR	Remote control receiver
Channel	Digital display tube 21-29 2.4G spectrum;50 to 59 for 5G band
DC 5V	Power adapter socket
Back; Down; UP; OK Key	Used to adjust the WIFI frequency
LED indicator	**Description**
STA	Video signal connection indicator
PWR	System power indicator

5.Package list :

✧ HDMI transmitter   1 pcs
✧ HDMI receiver   1 pcs
✧ 2.4 G / 5 G dual-band antenna   2 pcs
✧ Remote control   1 pcs
✧ Power adapter   2 pcs
✧ IR TX/RX terminal   1 set
✧ User manual   1 pcs

6.Installation

1、   The HDMI source access HDMI extender sender ,

2、   Connect the HDMI extender the receiver to a display device (such as high-definition TV, splicing screen, etc.) ,

3、   Configure infrared to control function: send infrared line link extender transmitter, the receiver of the infrared receiving line access extender, and aim the infrared emission head needs to control device of the infrared receiver mouth。

4、   To the sender and the receiver connected to the power, when the light is normal lights up, normal operation of system。

5、   The transmitter and the receiver WIFI tuned to the same frequencies, suggested the 53 spectrum, such as STA scintillation communication is normal

7.Diagram

One to one application

A pair of more application