

HDMI KVM EXTENDER OVER IP

HDMI KVM Extender over IP (200m)



Where every Moment comes Alive

ER2862KVMIP

Introduction:

The **HDMI 200M Extender over IP** is a high-performance solution designed for long-distance HDMI transmission, delivering crystal-clear high-definition video and audio up to **200 meters** away from the source device. Utilizing the **TCP/IP standard**, it efficiently transmits signals over a **single CAT5e/6 cable**, ensuring stable and reliable connectivity. This extender supports **multiple transmission modes**, including **point-to-point, one-to-many, and cascade connections**, making it ideal for various applications such as home entertainment, conference rooms, digital signage, and surveillance systems. With its **easy setup and seamless performance**, the HDMI 200M Extender provides a flexible and convenient solution for extending HDMI signals over long distances.

Features:

- Support HDMI 1.3
- Support point-to-point mode, one point-to-multi point mode and cascade connection mode.
- 802.3 Ethernet standard.
- Support IR remote control
- Support USB mouse and keyboard extension.
- The design of pure hardware, plug and play, no need for additional software.

Specifications:

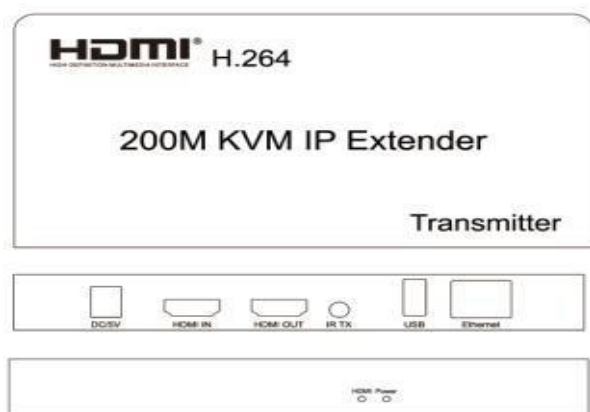
Resolutions	480p,720p,1080p
Audio	Sample rate:32kHz,44.1kHz and 48kHz code
IR remote control	38 KHz;NEC
HDMI version	HDMI 1.3
Power adapter	DC:5V/1A
Power consumption	HDMI sender:3W HDMI receiver:3W
Size(L-W-H)	163*87*24mm
Weight	474gX2
Operating Temperature/Humidity	0°C-45°C/10%-80%RH(no condensation)
Storage Temperature/Humidity	-10°C-70°C/5%-90%RH(no condensation)

Package contents:

- 1) 1pc x Transmitter
- 2) 1pc x Receiver
- 2) 2pcs x 5V/1A Power adapters
- 3) 1pair x IR cable
- 4) 1pc x User's Manual

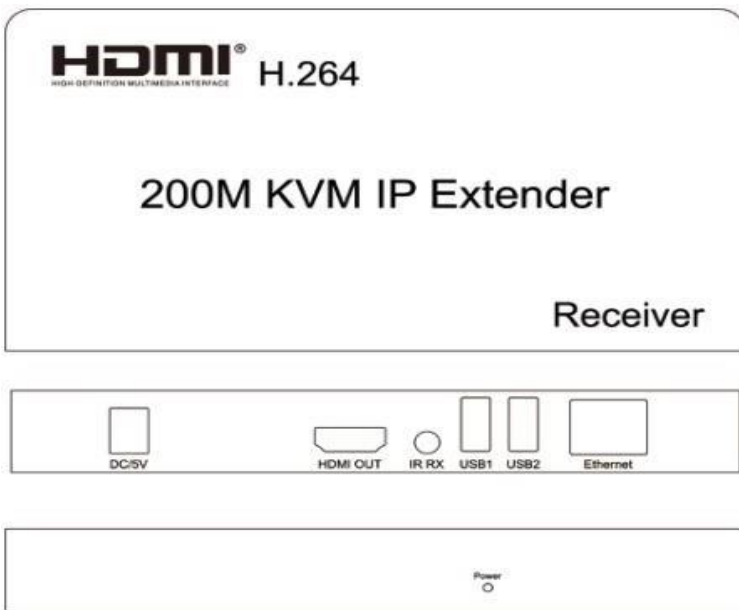
Physical interface diagram:

Transmitter



Port	Description
DC/5V	5V power supply for the Transmitter
HDMI - IN	HDMI input ,connect HDMI sink source
HDMI - OUT	HDMI output, connect HDMI sink device
IR-TX	Connect IR transmitter
USB	USB output, connect computer
Ethernet	Network interface by cat5e/6

Receiver:



Port	Description
DC/5V	5V power supply for the receiver
HDMI -OUT	HDMI output, connect HDMI sink device
IR RX	Connect IR receiver
USB1-2	USB input,mouse/keyboard input
Ethernet	Network interface by cat5e/6

Connection and operation:

- 1) Connect the HDMI source (such as DVD, PS3, STB) to the “HDMI IN” of transmitter by HDMI cable.
- 2)Connect the “HDMI out” of Receiver to HDTV display by HDMI cable.
- 3)Connect the Transmitter and Receiver with one cat5e/6 cable (recommend).the furthest distance is 200M.
- 4) Connect the “IR receiver “into “IR-RX” port on receiver, and “IR transmitter ” into the “IR-TX” on transmitter, and make sure the IR transmitter aim at IR port of the source.
- 5) Plug the mouse and keyboard into the USB port of the receiver, and connect the USB port of the transmitter with the computer if you need the KVM control function.
- 6) Connect two pieces of 5V power supply to the transmitter and receiver, and power on the HDTV display and HDMI source.

Application scenario:

The Extender is widely used in audio-visual conferences, command and control centers, ticketing platforms, home theaters, multimedia teaching, conference systems and other places.

Application diagrams:

