200M HDMI KVM Extender Over TCP/IP, 1080P

Model No.: LM-K200HC

User Manual

Dear Customer

Thank you for purchasing this product. For optimum performance and safety, please read these instructions carefully before connecting, operating or adjusting this product. Please keep this manual for future reference.

1. Introduction

200M HDMI IP Extender is based on TCP/IP standard. It transmits your HD display with the high resolution up to 200 meters away from your DVD or computer source by using one CAT5e/6 cable.

At the same time, it's convenient to transmit HDMI audio and video source by point-to-point mode, point-to-multipoint, multipoint-to-multipoint mode and cascade connection mode.

2. Features

1. Support HDCP1.4
2. Support local loop out
3. Support 200m long distance transmission
4. Support USB mouse and keyboard extension
5. Optional IR function
6. Support point-to-point mode, one point to multi point mode
7. Decoding Mode MJPEG
8. 802.3 Ethernet standard
9. Pure hardware design, plug and play, no additional software is required

3. Specifications

| Resolutions	480p,720p,1080p
Audio	Sample rate:32kHz,44.1kHz and 48kHz code I
adapter	DC:5V/1A
The Max Power consumption	HDMI sender:3W HDMI receiver:3W
Size(L-W-H)	98*78*28mm
Weight	200g x 2
Operating Temperature/Humidity	0℃-45℃/10%-80%RH(no condensation)
Storage Temperature/Humidity	-10℃-70℃/5%-90%RH(no condensation)

4. Interfaces
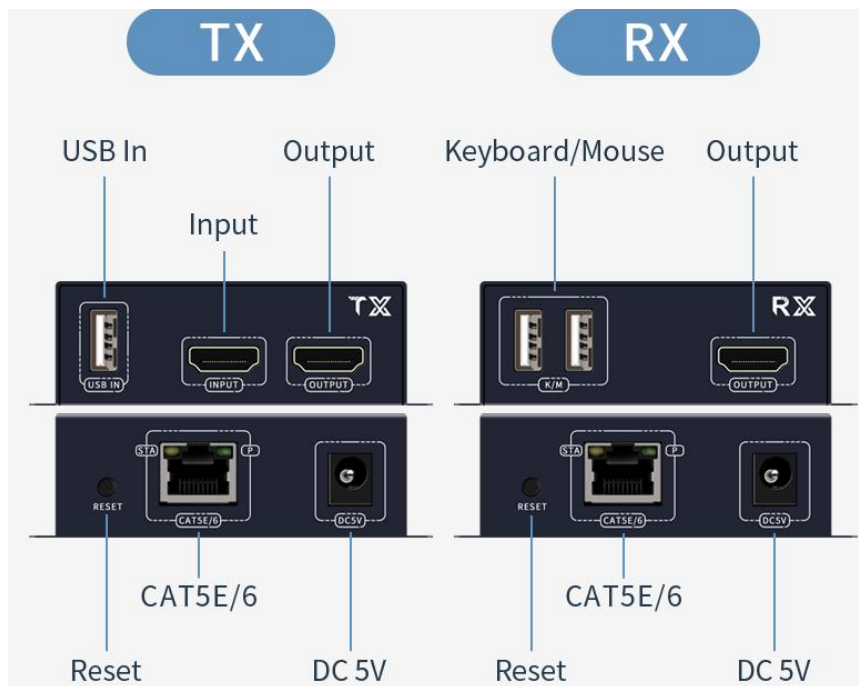
5. Connecting and Operating

1. Choose the national standard fiber optic cable, in addition to ensure that the host output resolution is not higher than 1920 * 1080 @ 60HZ;

2. The TX and RX connected to the power supply, the power indicator light, the device began to run;

3. The HDMI signal source into the TX INPUT interface, the indicator light is on, the signal is recognized normally;

4. The TX OUTPUT access to the local display device, the indicator light is on, the local display device can work normally;

5. With a fiber optic cable to connect the TX and RX fiber optic interface;

6. Connect the OUTPUT of RX to the display device, at this time the HDMI light of RX is always on, the display device communication;

7. The connection is complete.

6. Connection

This device supports network cable direct connection or access to the switch one-to-one/one-to-many/many-to-many and other methods of use, the following figure to a send and receive as an example:
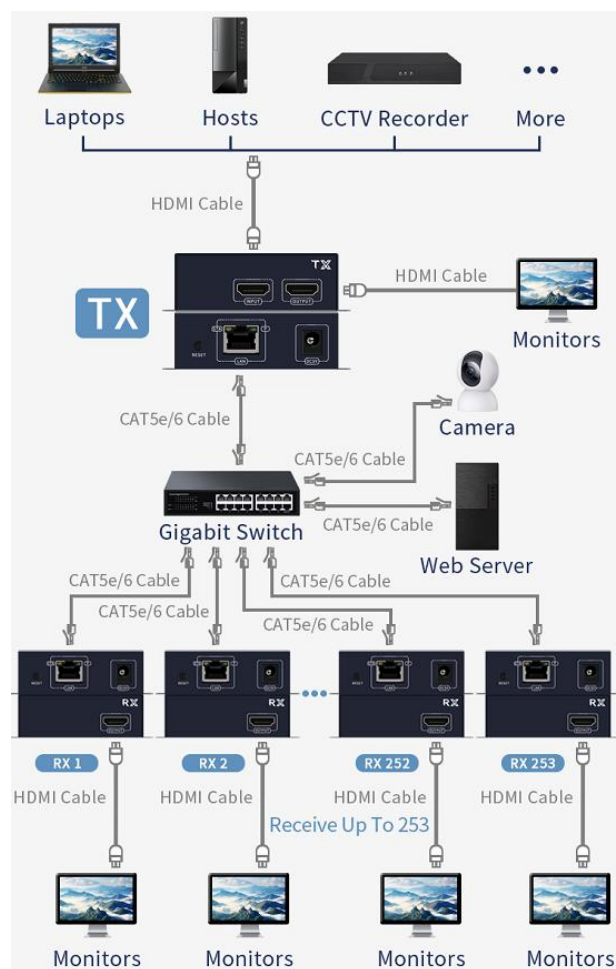
1: Only HDMI style support a send more than one receive method of use, HDMI + USB style a send more than one receive when only access to the first receiver support USB keyboard and mouse.

2: One to one and multiple send multiple receive method two ways HDMI style and HDMI + USB style are supported. When sending multiple receivers, the number of transmitters and receivers should be the same, and you need to change the IP of transmitters and receivers, the specific change method is attached.

3: When accessing the network, the occupied bandwidth data depends on the number of transmitters in the same network, each transmitter occupies 60-80M bandwidth.

IP settings

Factory default IP extender TX: 192.168.1.100: 9999, RX for the random IP, such as the need to view the RX IP, you can first connect the TX and RX to automatically generate the first IP, and then unplug the TX, RX end of the connectivity screen that will display the generated IP.

In the process of using, one-to-one and one-to-many scenarios do not need to change the IP of TX and RX, but only when many-to-many, the configuration method is as follows:

1. Use a network cable to connect the RX or TX of the extender to the PC.

2. Set the IP address of the computer：

Internet Protocol Version 4(TCP/IPv4)

General

You can get IP settings assigned automatically if your network supports this capability. Otherwise,you need to ask your network administrator for the appropriate IP settings.

○ Obtain an IP address automatically

● Use the following IP address:

IP address:	192 . 168 . 1 . 216
Subnet mask:	255 . 255. 255 . 0
Default gateway:	192 . 168 . 1 . 1

3. Open your computer's web browser, TX login using the address 192.168.1.100:9999: RX's IP address is entered as actual.

Note: The colon input method is English input method.

The following figure: In the web page Ethernet column set TX and RX IP, RX IP last bit needs to meet the relationship between TX IP + 8, such as TX set to 192.168.1.101, 192.168.1.102, RX needs to be set to 192.168.1.109, 192.168.1.110, and then click on Commit. and then click Commit.

Ethernet

DHCP	OFF ∨				
MAC	00	: 0c	: 1d	: e8	: eb	: 84
IP	192	. 168	. 1	. 101	
Gate	192	. 168	. 1	. 100	
Mask	255	. 255	. 255	. 0	

Commit

4. In the Transmit Mode field of the web page, select Transmit Mode as " MULTI_TO_MULTI", and then click "Commit".

Transmit Mode

Transmit Mode
ONE_TO_MULTI ∨

Commit

5. Reboot the machine and check the IP through the monitor to confirm that the settings were successful, and reconfigure if they failed.

7. Package Contents

1. TX Extender   1PCS
2. RX Extender   1PCS
3. DC/12V1A Power adapter   2PCS
4. USB Cable   1PCS

5. IR-TX Cable   1PCS **(Optional)**
6. IR-RX Cable   1PCS **(Optional)**
7. User Manual   1PCS

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