HOC TECHNOLOGIES

HHE-200LKVM

HDMI EXTENDER OVER LAN WITH 200M KVM (IR)

HDMI network cable extender 200m type is designed for HDMI cable extending function by connecting this product with a cat6 cable, tackling the problem that is caused by long distance trans mission between signal source and display devices, supporting a maximum 200m transmission distance. Instead of using expensive HDMI cables. Specially, You can use mouse and keyboard to control it.

FEATURES :

* DC 5V 1A power supply.
* Supports resolution up to 1080p@60Hz.
* Support Deep Color up to 12 bits/color.
* Support IR re-transmitting.
* Uses one CAT6 cable for data transmission.
* Equalizes and recovers incoming TMDS data before re-transmitting it in optimal quality regardless of the incoming signal quality.
* Cable testing showed that with 1080p resolution the HDMI input source can be 3 Mtr. away.
* Supports one-to-one mode : when transmitting a signal in 1080p resolution the CAT6 Oprating distance is 200 meters.
* Support one-to-many mode and cascade connection mode. (One to Many connection : By using network router/switch, one sender can connect to several receivers to realize extender & splitter function. The cat6 cable connection at both ends of the router/switch can support up to 200M

SPECIFICATIONS :

| Brand	HOC
Input ports	TX : 1 x HDMI, 1 x Type-B Port (PC) RX : 1 x Cat6, 1 x IR Receiver
Output ports	TX : 1 x Cat6, 1 x IR Transmitter RX : 1 x HDMI, 2 x USB Type-A
Power Supply	DC 5V
ESD Protection Human Body model	+/- 8 kV (air-gap discharge)
	+/-4 kV (contact discharge)
RJ-45 connector	WE/SS 8P8C
HDMI connector	Type A 19 pin female
3.5mm connector	(TX and RX) IR Receiver/IR Blaster

MECHANICAL SPECS

Housing	Metal enclosure
Power Supply	5V1A DC
Power consumption	1.5 watts (TX); 1.0 watts (RX)
Operation temperature	32~104 °F
Storage temperature	-4 ~ 140 °F
Relative humidity	20~90 % RH (no condensation)

PACKAGE CONTENTS :

|	
* HDMI Transmitter	1 Pc
* HDMI Receiver	1 Pc
* Windband IR Tx cable	1 Pc
* Windband IR Rx cable	1 Pc
* 5V1A DC Power Supply Adaptor	2 Pc
* USB cable	1 Pc
* Mounting Ears and Screw	4 Pc
* Product Manual	1 Pc

PANEL DESCRIPTION :

TRANSMITTING UNIT
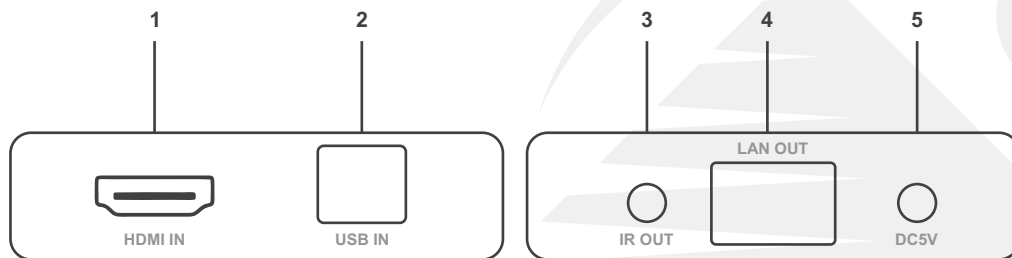
1. HDMI IN : This slot is where you connect the HDMI output port of your source equipment such as DVD/Blu-ray players or Set-Top-Box with an HDMI cable.
2. USB IN : Connect to signal sources (laptop,desktop etc.)
4. IR OUT : Connect to the IR Transmitter for infrared signal Transmission. (please make sure the Transmitter is placed within 1m of the device to be control)
5. LAN OUT : Connect the CAT output of the transmitter with the CAT input of the receiver with CAT6 cable.
6. DC 5V : Connect from 5V DC power supply into the unit and connect the adaptor to an AC outlet.

RECEIVER UNIT
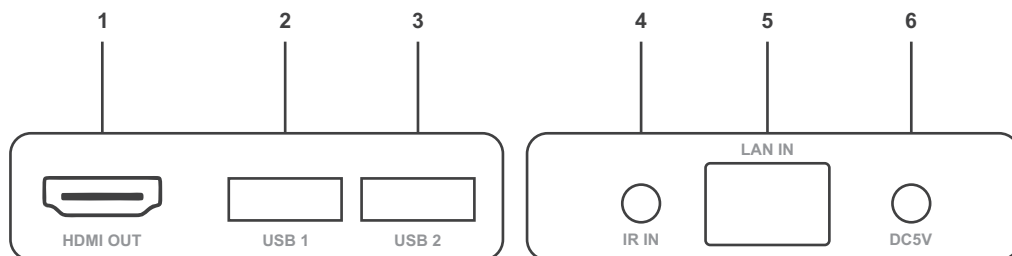
1. HDMI OUT : This slot is to connect the HDMI input port of your display such as an HDTV.
2. USB : USB-A(mouse): Connect to mouse to remotely control output devices.
3.USB-(Keyboard) : Connect to keyboard to remotely control output devices
4. IR IN: Connect to the IR Receiver for infrared signal receiving. (please make sure the remoter is placed within 8m of the infrared receiver)
5. LAN IN: Connect the CAT input of the receiver with the CAT output of the transmitter With CAT5E/6 Cable.
6. DC 5V: Connect from 5V DC power supply into the unit and connect the adaptor to an AC outlet.
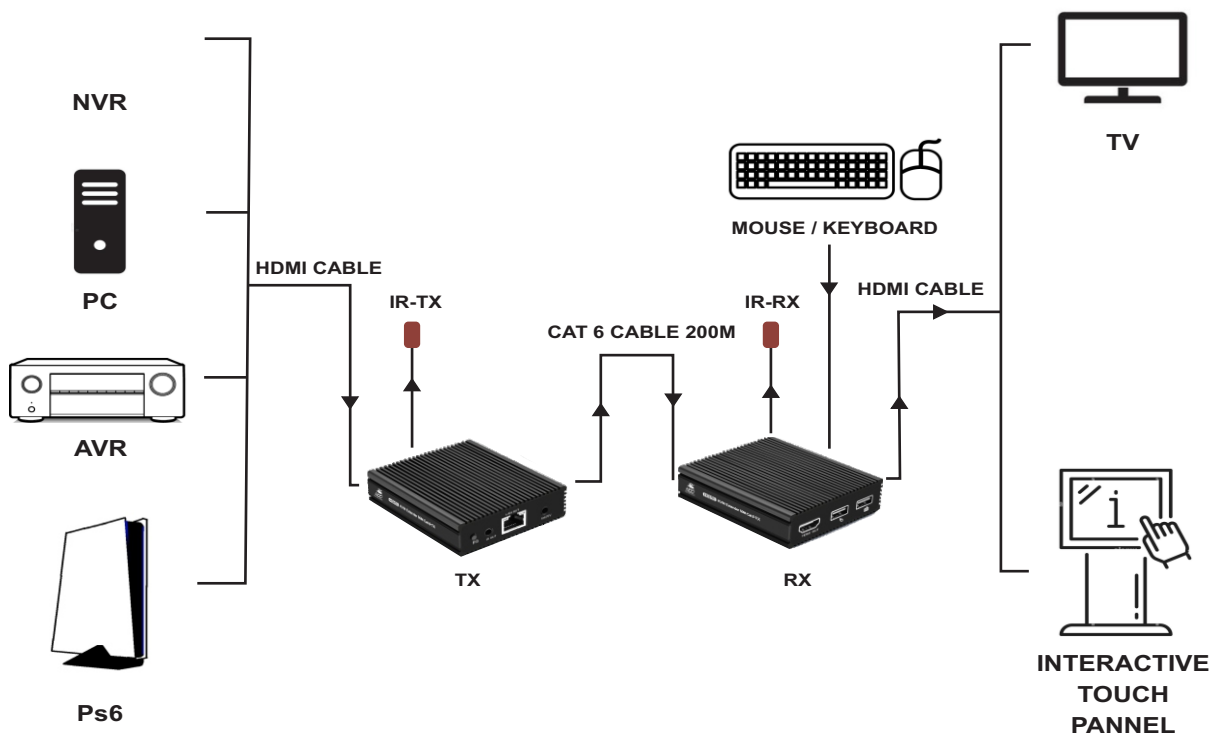
CONNECT AND OPERATE :

1. Connect a source such as a Blu-Ray Player, game console, A/V Receiver, Cable or Satellite Receiver, etc. to the HDMI input and connect the PC with the USB input via the USB cable on the Transmitting unit. Transmitting unit.

2. Connect a display such as an HDTV or HD Projector to the HDMI output and connect the mouse, key board to the USB -A ports on the Receiving unit.

3. Connect a single Category 5e/6 up to 656f/200m to the output of the Transmitting unit, and the other end to the input of the Receiving unit.

4. For power, plug both the Transmitting unit and Receiving unit with the included power supplies.

5. Power on each device in the same sequence (receiver and transmitter will already be powered when either unit is plugged in.)
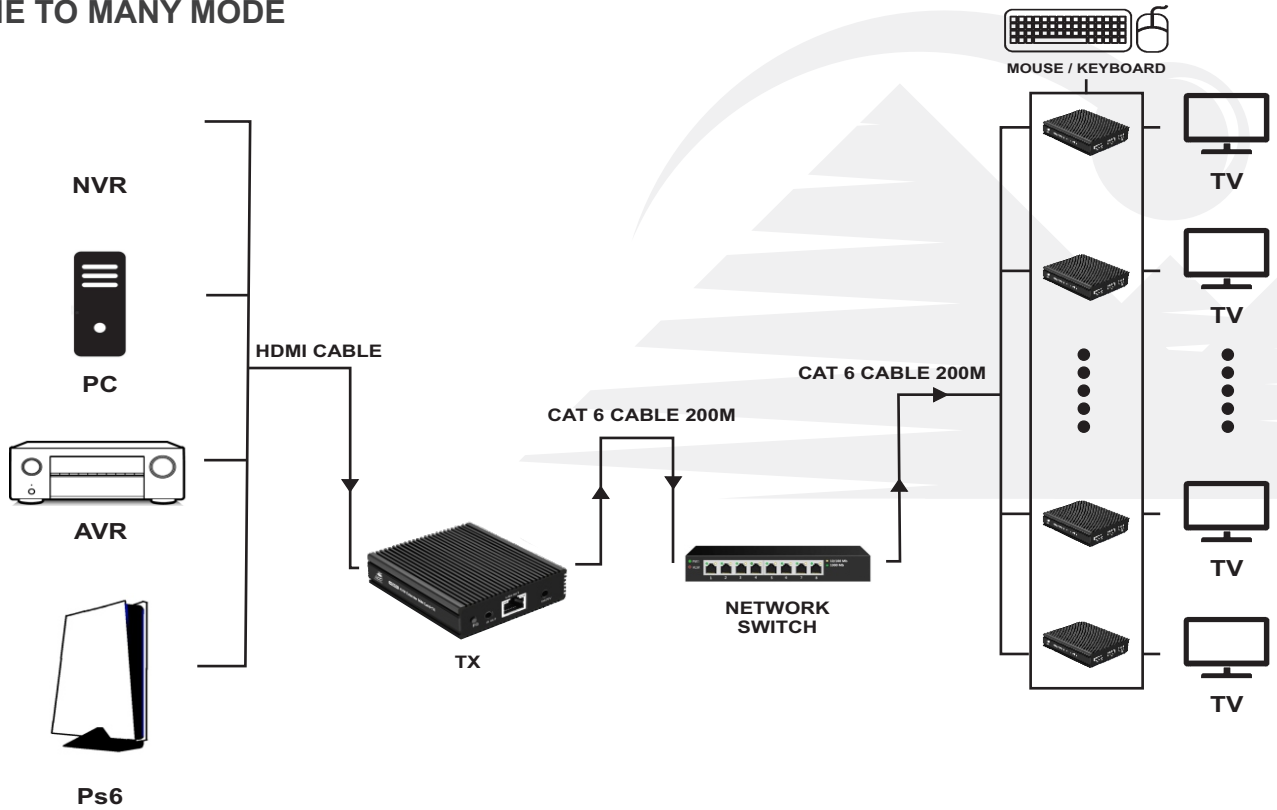
At this point the display connected should display the source signal connected to the extender set. A 24 Hz vertical refresh rate may work better than 60 Hz or higher. Use the source remote at the receiver emitter to test IR functionality. If the IR remote function is not responding, check the emitters to ensure they are placed correctly and are plugged into the correct IR jacks on the Extender set receiving and transmitting units.

APPLICATION EXAMPLE :

ONE TO ONE MODE

ONE TO MANY MODE

NVR

PC

AVR

Ps6

HDMI CABLE

TX

CAT 6 CABLE 200M

NETWORK SWITCH

CAT 6 CABLE 200M

MOUSE / KEYBOARD

TV

TV

TV

TV

Wideband IR(30KHz---60KHz) Introduction

IR RECEIVER

IR BLASTER

IR BLASTER (TX)

To control the source : Plug I Blaster into IR TX port of transmitter unit; place blaster in front of the IR eye of the source.

IR RECEIVER (RX)

To control the source : Plug I Receiver into IR RX port of receiver unit; place receiver at or near Display.