



HAY-EXT120IRHDMI

The 4K 120M HDMI extender uses a single cat-5E or cat-6(recommended) cable to extend 4K HDMI signals up to 120 metres . A cost effective solution to transmit HDMI over a long distance.

- Length of CAT-5E/CAT-6 cable between Transmitter (TX) and Receiver (RX): up to 120 metres
- HDMI input: 4K/1080p/720p/576p/576i/480p/480i
- Support audio format: DTS/Dolby/LPCM
- HDMI output: 4K/1080p/720p/576p/576i/480p/480i
- Max bandwidth: 340MHz
- Max band rate: 3.4Gbpsx3
- Input video signal: 0.5~1.5 Volts p-p
- Output DDC signal: 5Volts p-p (TTL)
- Input HDMI cable distance: ≤15m AWG26 HDMI standard cable
- Output HDMI cable distance: ≤15m AWG26 HDMI standard cable
- TX Max working current: 350mA
- RX Max working current: 200mA
- Power adapter format: Input: AC (50HZ, 60HZ) 1 00V-240V; Output: DC5V/1 A
- Operating Temperature range: (-15 to +55 °C)
- Operating Humidity range: 5% to 90%RH (No Condensation)
- Dimension (L x W x H): 94 x84 x 24 mm
- TX Weight: 223g
- RX Weight: 223g



Setup Guide

Transmitter

1. Transmitter HDMI IN
2. Plug in Cat5E/6E (Cat 6 recommended) OUT
3. Switch button to HDMI (blue light will appear on HDMI)
4. Once all is connected, remove the power lead then plug back in
5. A solid amber light and a flashing green light will now appear on you device

Receiver

6. Connect the Cat5E/6E to Cat5E/6E (Cat 6 recommended) IN
7. Then connect HDMI to HDMI OUT
8. Press switch button to light up blue to RJ45 LED
9. Remove the power and power up again
10. A solid amber light and a flashing green light will now appear on your device

If the TX lights are not amber and flashing green on the RJ45 then try connecting a straight through- via HDMI OUT to see if the original HDMI signal is working.

Plug a HDMI directly to a monitor to test DVR output

Devices need to be powered down and powered up again every time a button is pressed or a cable is added on.

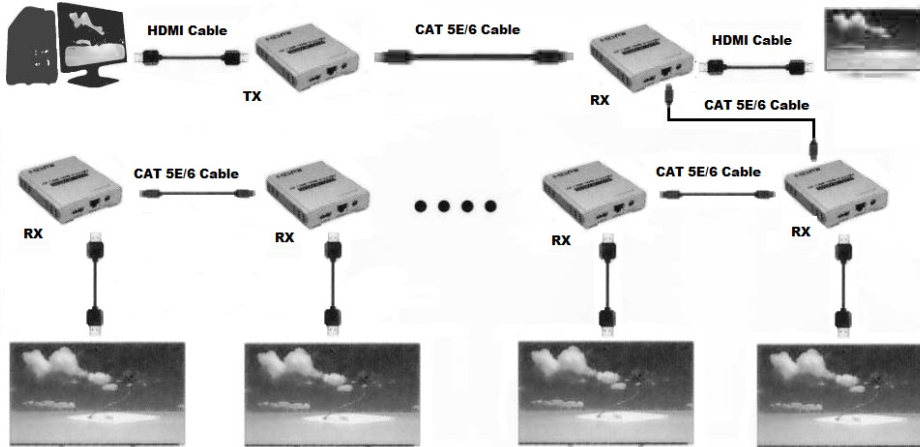


Connections Diagram

Point to point application

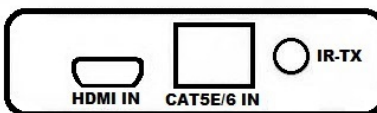
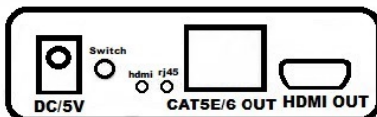


Multi-receiver cascade transmission



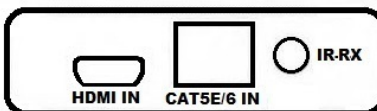
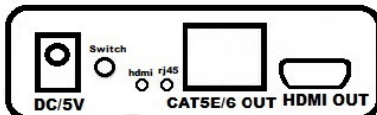
Interface Diagram

Transmitter:



| PORT | Description |
|-------------|-------------------------------------|
| DC/5V | 5V power supply for the Transmitter |
| SWITCH | Switch input signal button |
| HDMI | HDMI Input Indicator |
| RJ45 | Network port input indicator |
| CAT5E/6 | Network cable output port |
| OUT HDMI | HDMI Output Port |
| OUT HDMI IN | HDMI Input port |
| CAT5E/6 IN | Network Cable Input Port |
| IR-TX | Connect to the IR transmitting port |

Receiver:



| PORT | Description |
|-------------|----------------------------------|
| DC/5V | 5V power supply for the Receiver |
| SWITCH | Switch input signal button |
| HDMI | HDMI Input Indicator |
| RJ45 | Network port input indicator |
| CAT5E/6 OUT | Network cable output port |
| HDMI OUT | HDMI Output Port |
| HDMI IN | HDMI Input port |
| CAT5E/6 IN | Network Cable Input Port |
| IR-RX | Connect to the IR receiving port |