WOXCON

CE-EX60-H2

18G HDMI V2.0 Cost-effective Extender Set over CAT5e/CAT6

The CE-EX60-H2 is a cost-effective point-to-point extender set for HDMI V2.0 and IR signals; this kit supports 4K/UHD video @ 60 Hz with 4:4:4 Chroma sampling, as well as HDMI data rates up to 18Gbps, HDCP 2.2 compliant; It provides HDMI transmission up to 230 feet (70 meters) for 4K@60Hz 4:4:4 or 1080p, over single CAT5e/6 cable. It supports video resolution down-scaling, the 4K input can be automatically downscale to 1080p output for compatibility with 1080p display.
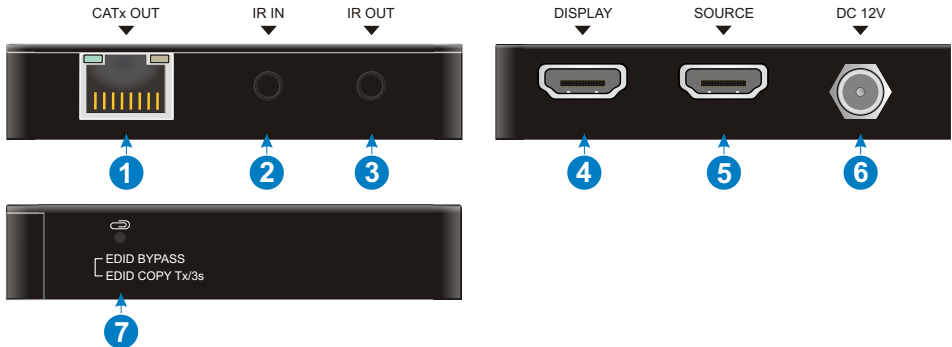
Features

- Supports HDMI V2.0, up to 4K@60Hz 4:4:4, HDR, 18G, HDCP 2.2.
- Extends 4K or 1080p HDMI signal up to 230 feet (70m) over a single CAT5e/6 cable.
- HDMI loop out on transmitter.
- Bi-directional IR pass-through.
- Supports video resolution down-scaling, the 4K input can be automatically degraded to 1080p output on receiver for compatibility with legacy 1080p display device.
- Features visually lossless compression with no latency.
- EDID pass-through.
- Compact design, easy to install and simple to operate.

Packing List

- 1x Transmitter (Tx)
- 1x Receiver (Rx)
- 1x IR Receiver
- 1x IR Emitter
- 2x Velcro Tape
- 1x Power Adaptor (12V DC 1A)
- 1x User Manual
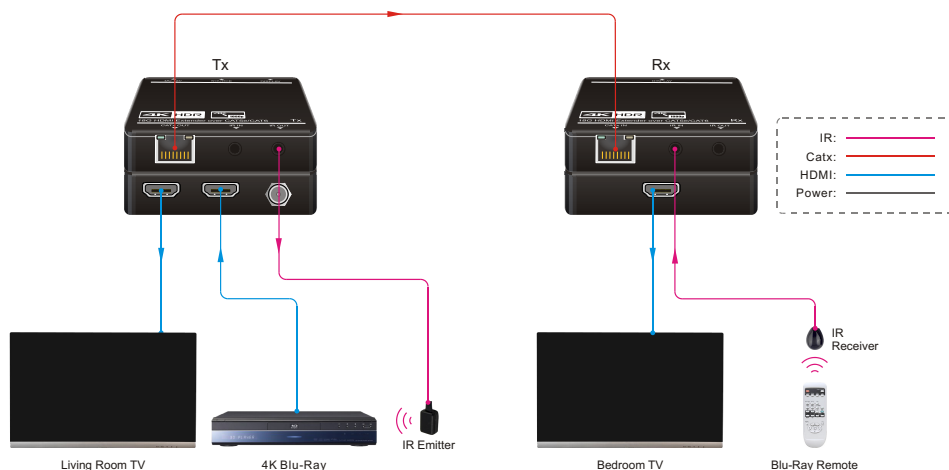
Transmitter Panel Description

1. **CATx OUT:** RJ45 port to connect the CATx IN port of receiver by CATx cable. It supports 12V PoC to power the receiver. The orange LED illuminates when there is a valid HDMI signal input. The green LED illuminates when power is applied.

2. **IR IN:** 3.5mm mini jack to connect IR receiver for IR pass-through.

3. **IR OUT:** 3.5mm mini jack to connect IR emitter for IR pass-through.

4. **DISPLAY:** Type-A female HDMI port to connect HDMI display device.

5. **SOURCE:** Type-A female HDMI port to connect HDMI source device.

6. **DC 12V:** DC connector for the power adapter connection.

7. **EDID Management:**

   - EDID BYPASS: Press the button with paper clip or other sharp tool to learn the EDID from the remote display connected to the Receiver's HDMI out.

   - EDID COPY Tx/3s: Press and hold the button for 3 seconds to copy the EDID from the local display connected to the Transmitter's HDMI out.

   - DEFAULT: The source device learns EDID from the TV which has the lowest resolution. Press and hold the button while powering off, and then release it after 6 seconds of power on to restore the default.

Receiver Panel Description

1. **DISPLAY:** Type-A female HDMI port to connect HDMI display device.
2. **CATx IN:** RJ45 port to connect the CATx OUT port of transmitter by CATx cable. It supports 12V PoC and the receiver can be powered from the transmitter. The orange LED illuminates when there is a valid HDMI signal input. The green LED illuminates when power is applied.
3. **IR IN:** 3.5mm mini jack to connect IR receiver for IR pass-through.
4. **IR OUT:** 3.5mm mini jack to connect IR emitter for IR pass-through.

Connection Diagram

Specifications

Transmitter	
Input	(1) SOURCE
Input Connector	(1) 19-pin type-A female HDMI
Output	(1) DISPLAY, (1) CATx OUT
Output Connector	(1) 19-pin type-A female HDMI, (1) RJ45
Control	(1) IR IN, (1) IR OUT
Control Connector	(2) 3.5mm mini jacks
Receiver	
Input	(1) CATx IN
Input Connector	(1) RJ45
Output	(1) DISPLAY
Output Connector	(1) 19-pin type-A female HDMI
Control	(1) IR IN, (1) IR OUT
Control Connector	(2) 3.5mm mini jacks
General	
Video Resolution	Up to 4K@60Hz 4:4:4, HDR
Transmission Distance	4K/1080p ≤ 70 meters (230ft)
HDMI Version	Up to HDMI V2.0
HDCP Version	Up to HDCP 2.2. The HDCP of output follows the HDCP version of display device.
EDID Pass-through	Supported.
Power Supply	Input: 100VAC~240VAC, 50/60Hz; Output: 12VDC 1A
Power Consumption	4W (Max)
Operation Temperature	-5~55℃
Storage Temperature	-25~70℃
Relative Humility	10%-90%
Dimensions (W*H*D)	80mm x 16.8mm x 80mm
Net Weight	Tx/Rx: 70g

Note: The extender set does not support HBR audio.