

HDMI (HDBaseT) CAT5 Extender Series

ITEM NO.: HE02EI HDMI & IR CAT5 Extender Over Single CAT5 Cable

HE02EI HDMI (HDBaseT) CAT5 Extender is using only one cost effective CAT5e/6 cable to extend your HDTV display up to 60 meters at 1080p, 70 meters by CAT6a cable. With IR function to delivers significant value to the entire home and commercial entertainment system.



Features:

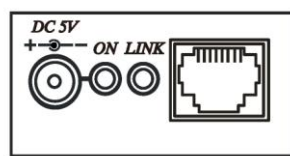
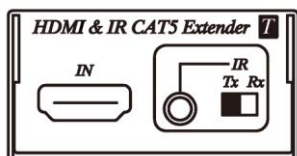
- **Extends HDMI and IR signal over one CAT5/5e/6 cable.**
- Uncompressed high definition video up to 1080p@60Hz@48bits and 3D and 4K*2K capable.
- **Built in IR control, IR signal could be selectable at either TX/RX side.**
- Max. Data Rate- 10.2Gbps.
- HDMI 1.4 and HDCP compliance.
- Transmission range up to 60M by CAT5e/6, 70M by CAT6a cable at 1080p@60Hz@24bit.
- Audio support up to LPCM7.1 , Dolby TrueHD , DTS-HD MA.

Installation view:

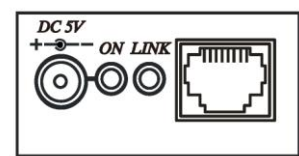
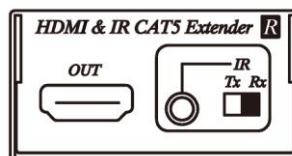


Panel view:

HE02EIT



HE02EIR



IR Switch Setting:

1. When use BD/DVD remote controller (DVD at remote side) , HE01EIR IR switch move to RX and connect with Receiver cable; HE01EIT IR switch move to TX and connect with Emitter cable.
2. When use TV remote controller (TV at remote side), HE01EIT IR switch move to RX and connect with Receiver cable; HE01EIR IR switch move to TX and connect with Emitter cable.

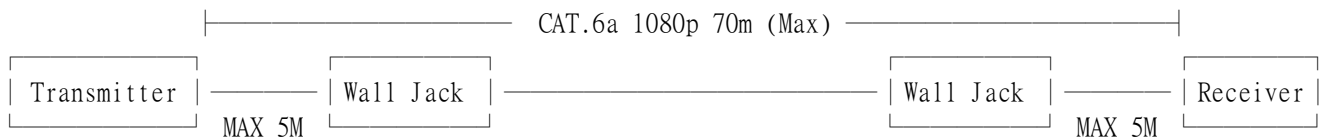
Cable:

Link cable recommend use high quality Cat.5e 、 Cat.6, CAT6a UTP / STP or FTP cable.

Transmission Distance:

The maximum transmission distance up to 60M by CAT5e/6, 70M by CAT6a cable (1080p / 60Hz / 24 bits), and use lower resolution won't extend longer distance.

If connection through the wall socket, the cable length must less 5 meters between HDMI extender and wall jack, as below drawing:



RJ45 Define:

Video Link (TIA/EIA-568-B)

- 1. Orange-white DATA0 +
- 2. Orange DATA0 -
- 3. Green-white DATA1 +
- 4. Blue DATA2 +
- 5. Blue-white DATA2 -
- 6. Green DATA1 -
- 7. Brown-white DATA3 +
- 8. Brown DATA3 -

LED Indication:

- Power GREEN On (power)
- Link BLUE Flash (under linking)
- On (linking)
- Off (under linking or cable no connect)

Caution:

- 1.The wiring must away from any equipment with electromagnetic wave, i.e.: mobile phone, microwave, radio equipment, fluorescent lamp, power lines.
- 2.This device is not network equipment, do not connect with Network to avoid damage.

HE02EI Package Include:

- HE02EIT HDM Transmitter x 1 pcs
- HE02EIR HDMI Receiver x 1 pcs
- IR Emitter Cable x 1 pcs
- IR Receiver Cable x 1 pcs
- Mounting Screw pack x 2 bags
- Power Adapter x 1 pcs

Specification:

ITEM NO.	HE02EIT	HE02EIR
Resolution	Up to 1080p / 60Hz / 48 bit	
Distance	60M by CAT5e/6, 70M by CAT6a	
HDMI Connector	Type A	
IR Carrier Frequency	30-60Khz	
IR Angle	±30	±55
IR Distance	5m	
Power Supply	Regulated DC5V 2A	
Power Consumption	380mA (Max)	820mA (Max)
Temperature	Operation: 0 to 55°C, Storage: -20 TO 85°C, Humidity: up to 95%	
Dimensions mm	49 x 92.3 x 25	
Weight g	125	135



Rev. B