

# 4K HDMI CAT5e Extender

ITEM NO.: HE03-4K 4K HDMI CAT5e Extender



## Features:

- Extends 4K UHD HDMI signal over one CAT5e/6 cable.
- Support resolution up to 1080P@60Hz, 4K@30Hz 4:4:4.
- HDCP 1.4 compliant.
- Audio support up to LPCM7.1@192KHz.
- Transmission range up to 120M over CAT5e, 140M over CAT6.
- Plug and play for easy operation.
- Optional model: SR01 signal repeater for longer distance application.

## Installation view:

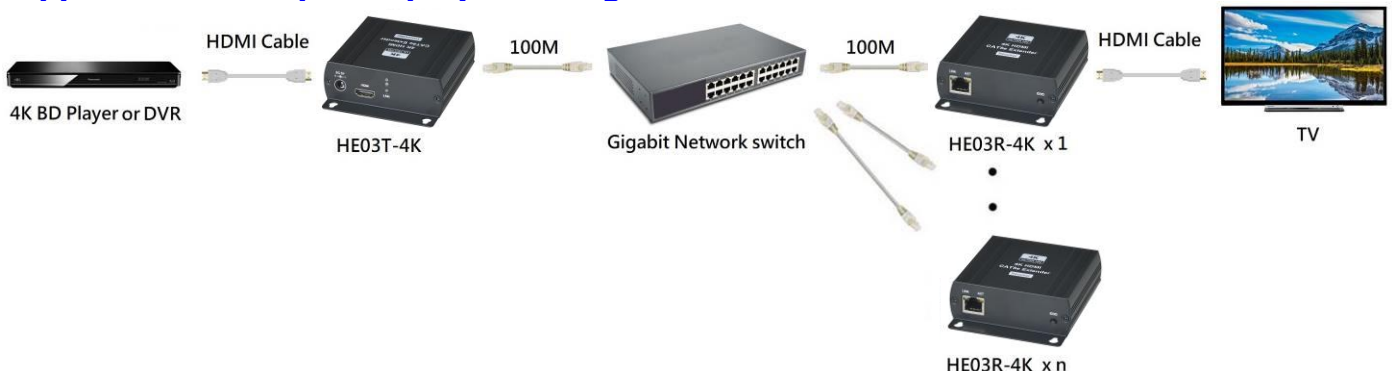


## Optional Model: SR01 Signal Repeater (order separately)

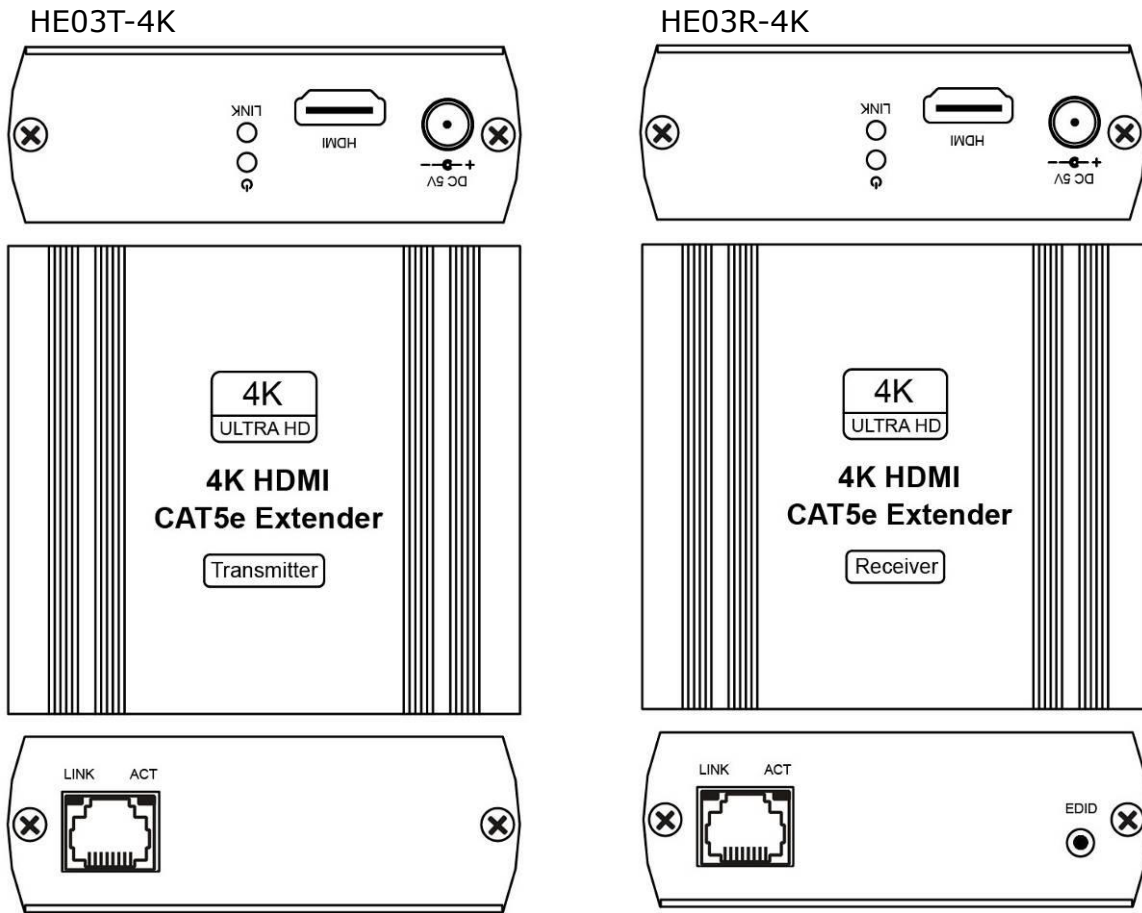
- Extend data signal for an additional 120meters.
- Ability to cascade connection with multiple SR01 for long range transmission.
- Built in LED status indication.
- External power required.
- Plug and play for easy installation.



## Support 1 to multiple display over Gigabit Network switch:



**Panel view:**



**LED Indication Instruction:**

Position	Color	Instruction
Front Panel	Green	Power on/off
Front Panel	Blue	TX/RX Linked
RJ45	Green	CAT5e Linked
RJ45	Yellow	Data Transmission

**Button Define :**

HE03R-4K

Button	Function
Short press	Display MAC · IP
Long press 2 seconds	Copy receiver monitor EDID to transmitter.

**RJ45 Define :**

Link Cable (use TIA/EIA-568-B)

- 1. Orange-white      Data 1 +
- 2. Orange            Data 1 -
- 3. Green-white      Data 2 +
- 4. Blue                Data 3 +
- 5. Blue-white        Data 3 -
- 6. Green              Data 2 -
- 7. Brown-white      Data 4 +
- 8. Brown             Data 4 -

**Cable:**

Link cable recommend use high quality CAT5e, CAT6 UTP/STP/FTP cable. The max working distance is 140M (Max) over CAT6. Poor quality cable or network connection or improper construction will cause unstable connection, video or sound disruptions, picture noise appears.

**Caution:**

The cabling must away from any equipment with electromagnetic wave, i.e.: microwave, radio equipment, high voltage.

**Trouble Shooting:**

1. HE03-4K transmission data rate up to 850Mbps Max.
2. Do not recommend to connect general LAN to avoid large video data transmission slow down other LAN devices. ◦
3. When connect with Gigabit Switch, make sure to turn off EEE (Energy-Efficient Ethernet).

**Package Include:**

HE03T-4K Transmitter x 1  
 HE03R-4K Receiver x 1  
 DC 5V 2Amp power adapter x 2

**Specification:**

ITEM	HE03T-4K	HE03R-4K
CAT5e/6 Distance	CAT.5e 120M/ CAT.6 140M,	
HDMI Video Support	Up to 1080P@60Hz, 4K UHD 4:4:4 @ 30Hz	
HDCP Compliant	HDCP 1.4	
HDMI Audio Support	Up to 7.1 LPCM 192KHz	
HDMI Input	HDMI Type-A	
HDMI Output		HDMI Type-A
Ethernet	Gigabit RJ45 x 1	
Power Consumption	400mA (Typical) 550mA (Max)	300mA (Typical) 960mA (Max)
Power Supply	DC 5V 2000mA	
Dimensions mm	88 x 110 x 30	88 x 110 x 30
Weight g	230	230



Rev. A