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SC T HE03-54K HDMI over IP Extender Series User Manual

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Introduction

HE03-4K is a 4K HDMI extender that can use a cost-effective Ethernet cable to send the signal for up to 140M with resolution up to 4K@30Hz 4:4:4. The built-in EDID button can automatically find the connected HDMI monitor's best resolution and correctly display wanted video. The extender applies AV over IP technology that allow itself to work with Ethernet switches to split an HDMI to multiple ones, which can display one HDMI source on multiple displays at the same time.
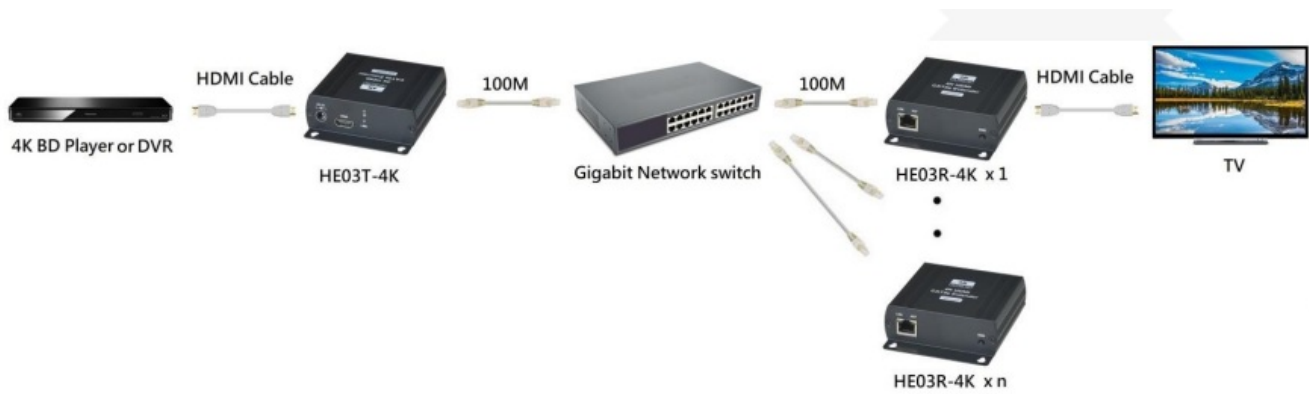
Features

- Resolution up to 4K@30Hz 4:4:4.
- Signal extension up to 120M over CAT5e, 140M over CAT6.
- Workable with SR01X (IP repeater) for longer distance.
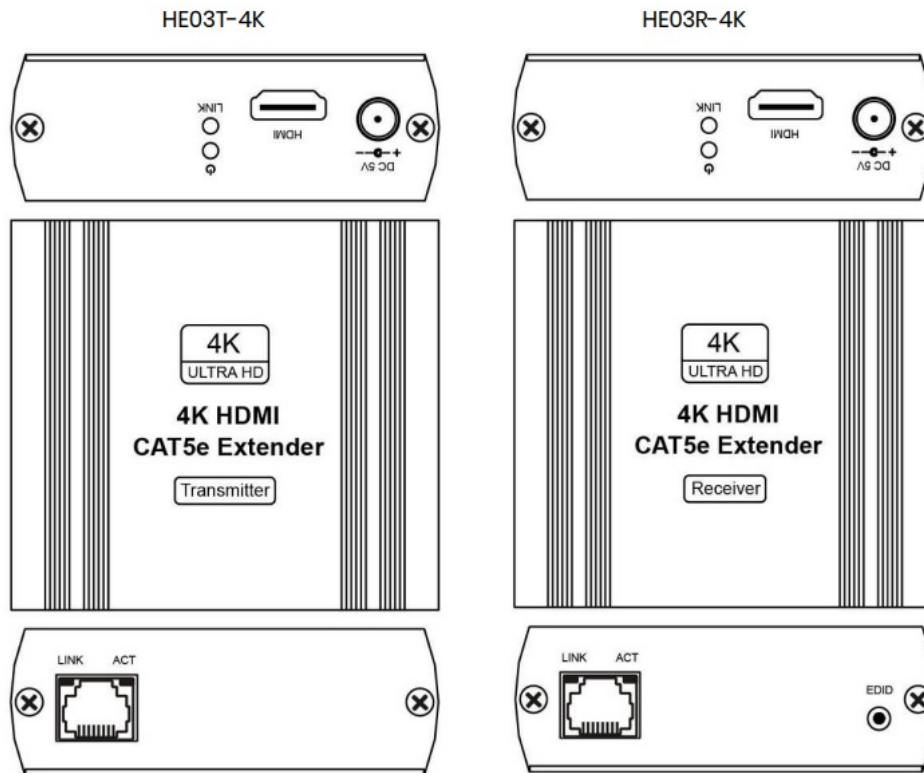- Workable with Ethernet switch for signal distribution.

Installation View

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

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 recommends 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

- 1 x HE03T-4K Transmitter
- 1 x HE03R-4K Receiver
- 2 x DC 5V 2Amp Power Adapter 4 x Screw
- 4 x Screw Plug
- 2 x Rubber Gasket

Specification

ITEM	HE03T-4K	HE03R-4K
Support		
Compliance	HDCP 1.4	
Max. Video Resolution	4K@30Hz 4:4:4	
Max. Transmission Distance	120M over CAT5e, 140M over CAT6	
Audio Format	LPCM 7.1 @192KHz	
Ports & Interfaces		
Video Input	1 x HDMI Type A	1 x RJ45
Video Output	1 x RJ45	1 x 7HDMI Type A
Power		
Power Supply	DC 5V 2A	DC 5V 2A
Power Consumption	550 mA (Max)	960mA (Max)
Ambient Temperature		
Operation	0 to 55℃	0 to 55℃
Storage	-20 to 85℃	-20 to 85℃
Humidity	Up to 95	Up to 95%
Physical Characteristics		
Dimensions	88 x 110 x 30mm	88 x 110 x 30mm
Weight	230g	230g

Documents / Resources

[SC T HE03-54K HDMI over IP Extender Series](#) [pdf] User Manual
HE03-54K, HDMI over IP Extender Series, HE03-54K HDMI over IP Extender Series