



HDMI over IP Extender Series

User Manual

Model : HE03L-4K

4K HDMI CAT5e/6 Extender CAT5e 120M/CAT6 140M



Introduction

HUE03-4K features the latest video interfaces, HDMI/ DisplayPort/USB-C, supporting up to 4K resolution, which provides user BYOD (Bring Your Own Device) presentations and collaborative meetings with a complete panel for smartphones, laptops & tablets.

With the compatible HDMI receiver, HE03R-4K & HE03LR-4K, the solution suits any size of meeting rooms from small to the large scales. Video presents on up to 250 HDMI displays simultaneously without integrating with HDMI distributors.

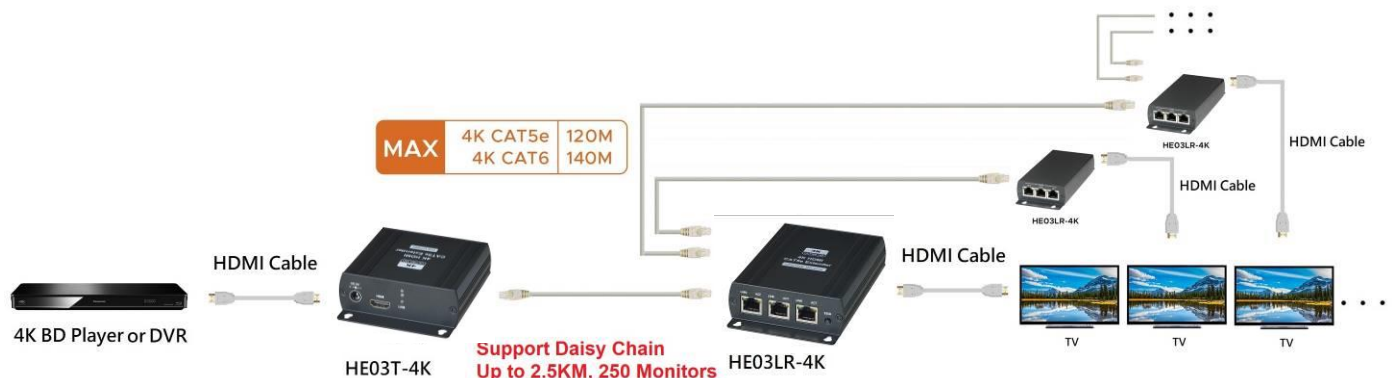
Additionally, HUE03T-4K could be integrated with external control keypads by I/O and RS232 signals which offers easy and intuitive control methods.

Features

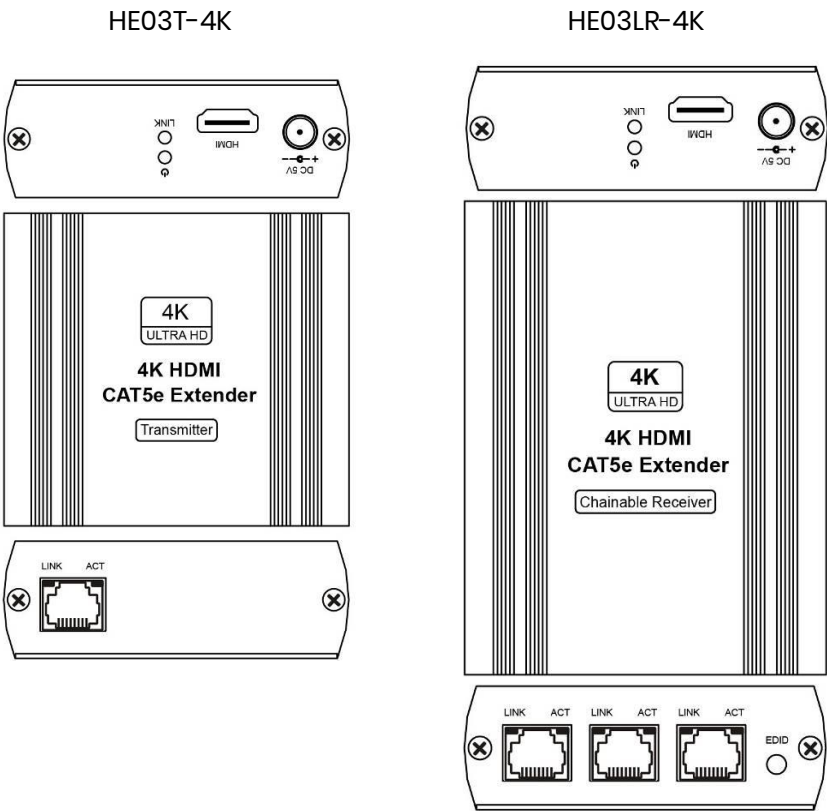
- Resolution up to 4K@30Hz 4:4:4.
- Signal extension up to 150M over CAT5e cable.
- Supports DP-ALT Mode, providing up to 15W/39W power for a USB-C device.
- Supports automatic or manual switching.
- Supports one-button-click EDID management.
- Supports I/O trigger for external control keypad.
- Managed via panel buttons, console, and external control keypad.
- Works with HE03LR-4K (a chainable HDMI receiver) to split one HDMI source to up to 250 HDMI displays.

Installation View

One to Multiple Display application By Daisy chain



Panel view



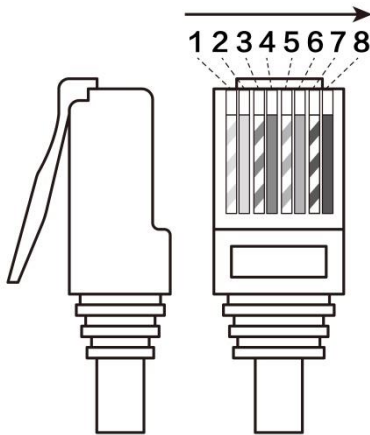
LED Indication Instruction

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

HE03LR-4K	
Button	Function
Short press	Display MAC、IP
Long press 2 seconds	Copy receiver monitor EDID to transmitter.

RJ45 Pinout



(PIN TIA/EIA-568B)	
PIN	Wire Color
1	Orange-white
2	Orange
3	Green-white
4	Blue
5	Blue-white
6	Green
7	Brown-white
8	Brown

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.
2. It is not recommended connect HE03 series products to general LAN structure to avoid slowing down other LAN devices' transmission data rate.
3. When connect with Gigabit Switch, make sure to turn off EEE (Energy-Efficient Ethernet).

Package Include

- 1 x HE03T-4K Transmitter
- 1 x HE03LR-4K Receiver
- 2 x DC 5V 2A power adapter
- 8 x Screw
- 8 x Screw Plug
- 8 x Rubber Gasket

Specification

ITEM NO.	HE03T-4K	HE03LR-4K
Support		
Compliance	HDCP 1.4	
Max. Video Resolution	4K@30Hz 4:4:4, 1920 x 1200@120Hz	
Max. Transmission Distance	120M over CAT5e, 140M over CAT6 cable	
Audio Format	7.1 LPCM 192KHz	
Ports & Interfaces		
Video Input	1 x HDMI Type A	1 x RJ45
Video Output	3 x RJ45	1 x HDMI Type A
Power		
Power Supply	DC 5V 2A	DC 5V 2A
Power Consumption	400mA (Typical),550mA (Max)	600mA (Typical), 1400mA (Max)
Ambient Temperature		
Operation	0 to 55°C	
Storage	-20 to 85°C	
Humidity	up to 95%	
Physical Characteristics		
Dimensions	88 x 110 x 30mm	88 x 145 x 30mm
Weight	230g	300g