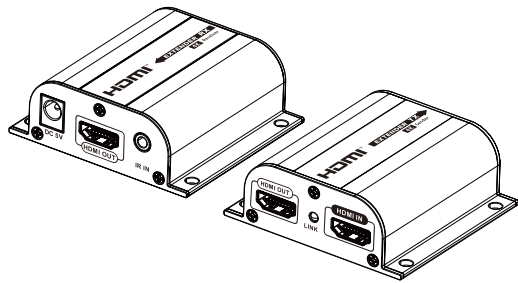


VANZEL

User's manual

HDMI Extender OVER NETWORK

NE70P



HDMITM
HIGH-DEFINITION MULTIMEDIA INTERFACE

• Important safety notice

1. Do not mix up HDMI to RJ45 sender and RJ45 to HDMI receiver before installation.
2. Do not hot plug when it is working.
3. Use DC5V/2A power supply only. Make sure specification matched if using adapters not supplied by factory.
4. Static electricity will cause damage of the device, please do ESD protection when using the device.

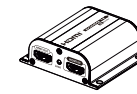
• Introduction

This HDMI Extender includes a transmitter unit and a receiver unit, allows the HDMI signal to be transmitted up to 70 meters at 1080p resolution using a Cat6/6A/7 network cable. It adopts a point-to-point connection configuration, supports PoC to power the receiver, IR pass-back, HDMI loop out. It is perfect for outdoor advertising, monitor system, home entertainment, conference, etc.

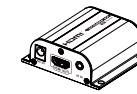
• Features

1. Zero latency.
2. Support up to 4K@30Hz resolution.
3. Support CAT6/6A/7 network cables, 1080p@60Hz transmission distance is up to 70meters, 4K@30Hz transmission distance is up to 40 meters.
4. Support IR pass-back function (20~60KHz).
5. Support HDR10.
6. Support HDMI loop out.
7. Support PoC to power the receiver from transmitter.
8. Automatically adjusts parameters to match different network cables and achieve the best display performance.
9. Plug and play.

• Package Contents



HDMI to RJ45 sender TX*1pc



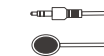
RJ45 to HDMI receiver RX*1pc



User manual*1pc



DC5V/2A x1pc



IR blaster extension cable *1pc



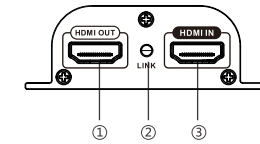
IR receiver extension cable*1pc

• Installation Requirements

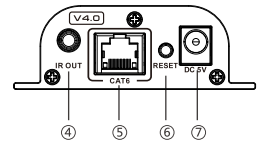
1. HDMI source device(computer graphics card, DVD,PS3, HD monitoring equipment etc).
2. HDMI display device like SDTV, HDTV, projector with HDMI port.
3. UTP/STP Cat6/6A/7 cable ,follow standard IEEE-568B.

• Panel Description

1. HDMI to RJ45 transmitter

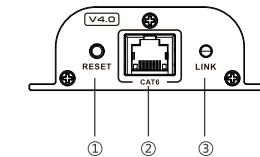


- ① HDMI signal output
- ② HDMI signal indicator led
It lights on all the time with HDMI signal input, flashes with no signal input.
- ③ HDMI signal input

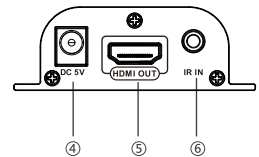


- ④ IR signal output to connect with blaster extension cable
- ⑤ RJ45 signal output
- ⑥ Reset
- ⑦ DC5V power input

2. RJ45 to HDMI receiver



- ① Reset
- ② RJ45 signal input
It lights on all the time with HDMI signal transmission, flashes with no signal transmission.



- ④ Power input: Spare power port (Powered by TX)
- ⑤ HDMI signal output
- ⑥ IR signal input to connect with IR receiver extension cable

• Installation Procedures

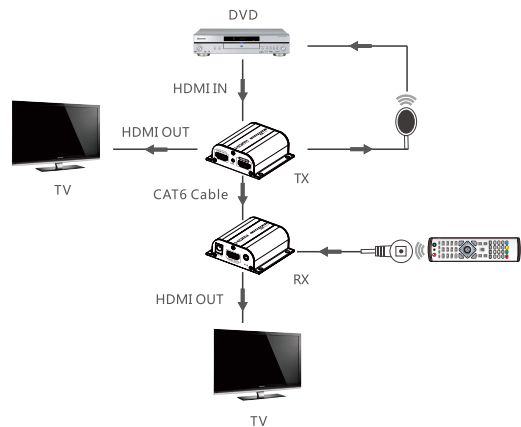
1. Cat6 network cable

Follow the standard of IEEE-568B:

- | | |
|----------------|---------------|
| 1-Orange/white | 5-Blue/white |
| 2-Orange | 6-Green |
| 3-Green/white | 7-Brown/white |
| 4-Blue | 8-Brown |



2. Connections



Connection instruction:

- 1) Connect TX HDMI input with source device HDMI output.
Connect TX HDMI output with HDTV HDMI input.
- 2) Connect TX CAT6 with RX CAT6.
- 3) Connect RX HDMI output with HDTV HDMI input.
- 4) Power on the device and it works.

• FAQ

- Q:** No image output or audio and video display is not normal?
A: 1) Adjust RX "RESET" button to reset the device.
 2) Try shorter network cable to reconnect.

- Q:** RX "LINK" led is flashing all the time?
A: 1) Make sure network cable connection follows the standard of IEEE-568B.
 2) Check whether TX has HDMI signal input.
 3) Reset TX&RX and reconnect.

- Q:** RX "LINK" led lights on all the time but no image output?
A: 1) Press RX "RESET" button to reset the device.
 2) Make sure HDMI cable is well connected with TV.
 3) Make sure the network cable is fine copper wires.

- Q:** When the indicator light of the TX and RX are always on, but the 1080P monitor connected to the RX could not display?
A: Please just set the output resolution of the video source to be 1080P output only.

• Specification

Items	Specifications
HDMI signal	HDMI 1.4 HDCP 1.4
Support resolution	800x600, 1024x768, 1280x720, 1280x960, 1366x768, 1440x900, 1680x1050, 1920x1080, 720p@50/60Hz, 1080i@50/60Hz, 1080p@24/25/30/50/60Hz, 3840x2160@24/25/30Hz
Network cable	low resistance and consumption oxygen-free copper core (CAT6, CAT6A, CAT7)
Transmission length	1080p@60Hz CAT6≤70m 4K@30Hz CAT6≤40m
IR remote control	Support 20~60KHz wide frequency IR remote control
Working temperature	0°C~60°C
Power supply	DC5V/2A
Power consumption	TX+RX < 8W
Product dimension	71.6mm(L)*66.6mm(W)*24.8mm(H) *2pcs
Weight	TX: 84g RX: 82g
Color	Black

Disclaimer

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