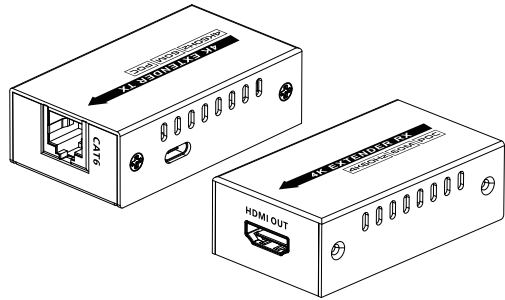


## User Manual

# 4K@60Hz HDMI EXTENDER

## Point to Point Extender



### • Important Safety Notice

1. To prevent electric shock, please ensure that all device is properly grounded.
2. Do not place this device near or over a radiator or heat register, or where it is exposed to direct sunlight.
3. Place the device in a well-ventilated area, do not block any ventilation openings.
4. Do not expose this device to rain or place it near water. Any liquid that goes into the device may cause a failure, fire, or electric shock.
5. Do not place the device on an uneven or unstable surface. The device may fall resulting in a malfunction.
6. Never insert anything metallic into the open parts of this device. This may cause a danger of electric shock.
7. If a three-party power supply is used, please ensure that the power supply specifications meet the product requirements.
8. Do not plug or unplug the Ethernet cable or HDMI cable while the power is on.

### • Introduction

This is an HDMI point-to-point extender kit, it can realize zero-latency transmission. The 4K@60Hz HDMI signal can be extended by 60m through CAT6/6A/7 network cable.

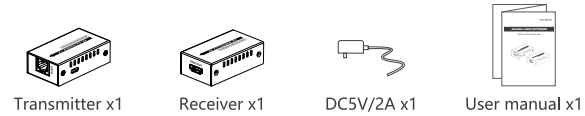
This kit is a reliable, ultra-high-definition video transmission solution, which is widely used in security monitoring, home theater, broadcasting, training and other fields.

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### • Features

1. Zero-latency transmission.
2. Extends 4K@60Hz HDMI signal up to 60m/197ft over Cat6/6A/7 cable.
3. Supports up to 3840 x 2160@60Hz resolution, backward compatible.
4. Supports HDR10.
5. Supports EDID passthrough and auto downscaling.
6. Lightning protection, surge protection, ESD protection.
7. Support PoC Network Cable Power Supply, Only TX Power Supply is Needed.

### • Package Contents



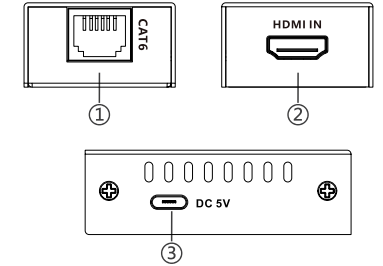
### • Installation Requirements

Item	Description	Requirement
Signal source	Devices with HDMI port (PC, DVD, NVR, etc.)	HDMI cable ≤5m
Cable	CAT6/6A/7, following standard IEEE-568B	CAT6/6A/7 ≤60m
Display device	TVs, projectors, etc. with HDMI port	HDMI cable ≤5m

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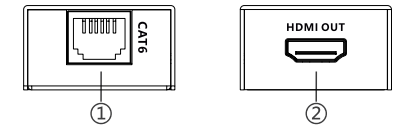
### • Panel Description

#### 1. Transmitter



① RJ45 output	Connect with CAT6/6A/7 network cable
② HDMI input	Connect with HDMI source device with HDMI cable
③ DC5V	Connect with DC 5V/2A power adapter

#### 2. Receiver



① RJ45 input	Connect with CAT6/6A/7 network cable
② HDMI output	Connect with HDMI display device with HDMI cable

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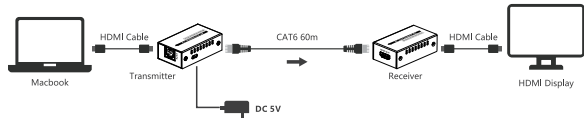
**• Installation and Connection**

**1. How to make a network cable, follow the standard of IEEE-568B:**

- 1-white and orange    2-orange    3-white and green    4-blue
- 5-white and blue    6-green    7-white and brown    8-brown



**2. Connection**



**3. Connection instruction**

- 1) Connect the source device to the HDMI IN port of the transmitter with an HDMI cable, and connect the HDMI OUT port of the receiver to the display device with another HDMI cable.
- 2) Use a Cat6/6A/7 cable to connect the RJ45 port of the transmitter and receiver.
- 3) Plug the power supply into the devices to get started.

**Note:** It is recommended to use a network cable within a length range of 2~60m. If the length of network cable is too long or too short, the transmission of video signals may not work well.

**• FAQ**

Q: The devices are connected correctly, but why is there no image displayed?

- A: 1) Please make sure the HDMI cable meets the transmission requirements. (e.g. 4K HDMI cable)
- 2) Please check and make sure the network cable is connected well.

Q: Why does the display occasionally have a black screen??

- A: 1) Check if the length of the cable is within the specified range.
- 2) Reconnect the network cable and HDMI cables.

Q: Why is the display color abnormal or no sound?

- A: 1) Check if the HDMI cables are connected well.
- 2) Reconnect the network cable.

**• Technical Parameters**

Items	Transmitter	Receiver
<b>Video</b>		
<b>Input interface</b>	1x HDMI	1x RJ45
<b>Output interface</b>	1x RJ45	1x HDMI
<b>HDMI Length</b>	≤5m	≤5m
<b>Maximum transfer rate</b>	18Gbps	
<b>Maximum transmission bandwidth</b>	600MHz	
<b>EDID passthrough</b>	Yes	
<b>Compatibility</b>	HDMI 2.0 (Deep color, 4K, HDR, YUV4: 4:4) HDCP 2.2	
<b>Resolutions</b>	480i@60Hz, 480p@60Hz, 576i@50Hz, 576p@50Hz, 720p@50/60Hz, 1080i@50/60Hz, 1080p@50/60Hz, 3840x2160@24/25/30/50/60Hz, 4096x2160@24/25Hz, 1280x960, 1280x800, 1280x768, 1680x1050, 1920x1200, 1360x768, 1366x768, 1600x900, 1024x768, 800x600	
<b>Transmission distance</b>	CAT6/6A/7≤60m	
<b>Audio</b>		
<b>Input interface</b>	1x HDMI	N/A
<b>Output interface</b>	N/A	1x HDMI
<b>Audio formats</b>	LPCM/DTS 5.1/Dolby Digital 5.1CH	
<b>Power</b>		
<b>Power Supply</b>	DC5V/2A	PoC (Powered by TX)
<b>Power Consumption</b>	TX+RX < 5W	
<b>Operating Environment</b>		
<b>Working temperature</b>	-20°C~60°C	

<b>Storage temperature</b>	-30°C~70°C	
<b>Humidity</b>	0~90%RH (No condensation)	
<b>Physical Properties</b>		
<b>Housing</b>	Metal	
<b>Weight</b>	92g	91g
<b>Color</b>	Black	
<b>Dimensions</b>	67.0(L)*40.0(W)*23.0(H)mm	
<b>Protection</b>	ESD protection 1a Contact discharge level 2 (±4KV) 1b Air discharge level 3 (±8KV) Implementation of the standard: IEC61000-4-2 Lightning protection, Surge protection	
<b>Certifications</b>	FCC/CE/RoHS2.0	

**Disclaimer**

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