

H23167 (ORE01) 说明书: 0106020147650

备注

材质: 100克书纸

尺寸: 111x146mm

装订方式: 骑马钉



4K HDMI Extender
Over Cat6 Up To 60 Meters

UHD-IPC230-K

www.orei.com

© 2024



4K HDMI Extender
Over Cat6 Up To 60
Meters

USER MANUAL

UHD-IPC230-K

Follow us on Youtube
and Facebook



www.orei.com

Table of Contents

Introduction	05
Features	06
Package Contents	06
Specifications	07-08
Operation Controls and Functions	09-10
Application Example	11
FAQs & Troubleshooting	12-13

Thank you for purchasing this product

For optimum performance and safety, please read these instructions care-fully before connecting, operating or adjusting this product. Please keep this manual for future reference.

Surge protection device recommended

This product contains sensitive UHD-IPC230-WPE components that may be damaged by electrical spikes, surges, electric shock, lightning strikes, etc. Use of surge protection systems is highly recommended in order to protect and extend the life of your equipment.

Registration page

Please Activate your warranty by registering our product through the link below - www.orei.com/register

Technical Support

Need Help?

Our experienced Technical Support Team is here for you to answer your questions, give technical advice or help troubleshoot your project to get you installed on time and on budget. Call, email or chat with us now.

OREI Live Technical Support Hours

US team (US/Canada/Mexico): Monday-Friday, 9 a.m. - 6 p.m. Central Time

Support Email - info@orei.com | Support Number - 877-290-5530

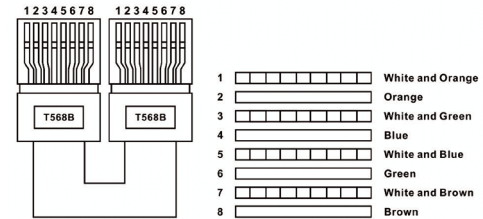
Or

Chat Live on www.orei.com

Send us an instant message now. Our Technical Support Team will respond momentarily. Available during live support hours.

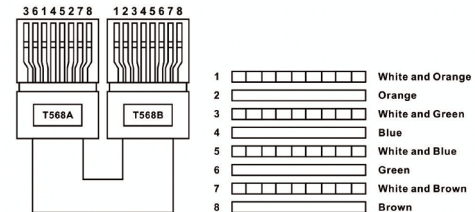
Caution

This extender requires a direct interconnection CAT 6/7 cable following the EIA-568B standard.



Direct interconnection method

The extender will go into protection mode and will not display the media source if used with a cross-interconnection CAT 6/7 cable such as EIA-568A standard.



Cross interconnection method

Introduction

The UHD-IPC230-K HDMI Extender provides support for resolutions up to 4K@60Hz, extending HDMI signals up to 60m (~200ft) over a single CAT6/6A/7 cable. A direct point-to-point connection is required between the Transmitter and Receiver. The device supports Power Over Cable(PoC), which means only the Transmitter unit requires power; the Receiver will get the power over the CAT6 connection. With a durable metal build and compact size, installation is made easier, making this plug-and-play solution perfect for outdoor advertising, monitoring systems, home theatre, conferences, etc., particularly in scenarios where the media device is placed far away from the display.



Features & Package Contents

1. HDMI 2.0 & HDCP 2.2 compliant
2. Video resolutions up to 4K@60Hz
3. 18Gbps video bandwidth with HDR 10 support
4. EDID passthrough and auto downscaling
5. Power Over Cable Technology: Only the Transmitter unit requires power
6. Zero-latency signal transmission over a single CAT6/6A/7 cable up to 60m(~200ft)
7. Robust metal build and compact size
8. Plug and play setup

Package Contents

1.	UHD-IPC230-K Transmitter	1 pcs
2.	UHD-IPC230-K Receiver	1 pcs
3.	DC5V/2A Power Adapter	1 pcs
4.	User manual	1 pcs

Specifications

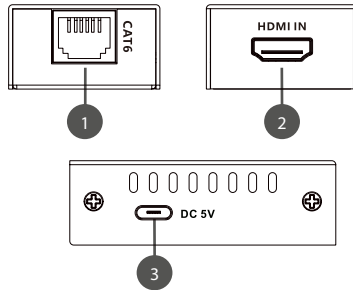
Items	Transmitter	Receiver
Video		
Input interface	1xHDMI	1xRJ45
Output interface	1xRJ45	1xHDMI
HDMI Length	≤5m	≤5m
Maximum transferrate	18Gbps	
Maximum transmission bandwidth	600MHz	
EDID passthrough	Yes	
Compatibility	HDMI 2.0 (Deep color,4K,HDR,YUV4:4:4)	
	HDCP 2.2	
Resolutions	480i@60Hz, 480p@60Hz, 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	
Transmission distance	CAT6/6A/7≤60m	
Audio		
Input interface	1xHDMI	N/A
Output interface	N/A	1xHDMI
Audio formats	LPCM/DTS 5.1/Dolby Digital 5.1CH	
Power		
Power Supply	DC5V/2A	PoC (Powered by TX)

Specifications

Power Consumption	TX+RX<5W	
Operating Environment		
Working temperature	-20℃~60℃	
Storage temperature	-30℃~70℃	
Humidity	0~90%RH (No condensation)	
Physical Properties		
Housing	Metal	
Weight	92g	91g
Color	Black	
Dimensions	67.0(L)*40.0(W)*23.0(H)mm	
Protection	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	
Certifications	FCC/CE/RoHS2.0	

Operation controls and functions

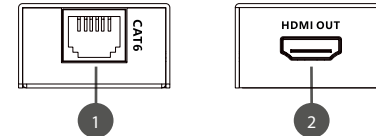
Transmitter



No.	Name	Function
1	CAT6 OUT	Connect a CAT6/6A/7 cable. The other end goes to the Receiver CAT6 IN.
2	HDMI Input	Connect a media source device such as a DVD Player, set-top box, etc.
3	DC5V	Connect the included power adapter

Operation Controls & Functions

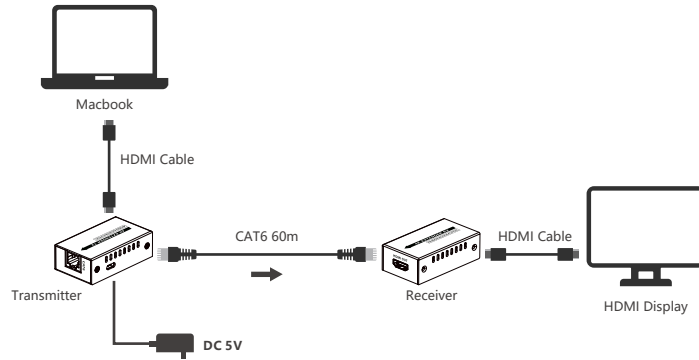
Receiver



No.	Name	Function
1	CAT6 IN	Connect a CAT6/6A/7 cable. The other end goes to the Transmitter CAT6 OUT.
2	HDMI Output	Connect a display device such as a TV, Monitor, etc.

Description

Connection Diagrams



Connection Instructions:

1. Connect the HDMI output from the media source to the Transmitter HDMI IN.
2. Connect the HDMI input port from the TV or monitor to the Receiver HDMI OUT.
3. Connect both devices with a CAT6/6A/7 cable.
4. Connect the included power adapters to power the devices.

1. What is the maximum distance this device can cover?

This model can cover up to 230 feet / 70m.

2. Can this be used over an existing network?

No, this model cannot be used over an existing network. The transmitter and receiver require a direct connection.

3. No video output from the Receiver end

Try the following:

1. Change the HDMI cable going to the display
2. Change the Fiber Optic cable or Module
3. Check if the HDMI OUT on the Transmitter is working or not
4. Try pressing the Reset button on the Receiver

4. Not getting 4K@60Hz output on the Receiver end

Try the following:

1. Change the HDMI cable going to the display
2. Check if the video output from the source is set to 4K@60Hz

5. Can I extend multiple screens with this product?

No, this product does not extend to multiple screens. It will duplicate the input sources to multiple

6. How can I purchase additional Transmitters & Receivers?

You can check out our website to purchase replacement parts or contact our support team through the 'Contact Us' page and they will help you out.

FAQs & Troubleshooting

Still have some questions?

Please feel free to contact us at: info@orei.com. OR Fill out the form on the 'Contact Us' page on our website. Our team will be more than happy to help you.