

H22005 (ORE01) 说明书: 0106020147651

备注

材质: 100克书纸

尺寸: 107.95x139.7mm

装订方式: 骑马钉



4K@60Hz 1x8 HDMI Extender Splitter Up to 70M

UHD18-IPC230-K

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USER MANUAL



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Thank you for purchasing this product

Thank you for purchasing this product. For optimum performance and safety, please read these instructions carefully before connecting, operating or adjusting this product. Please keep this manual for future reference.

Surge protection device recommended

This product contains sensitive electrical 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 service life of your equipment.

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.

Introduction

The UHD18-IPC230-K HDMI Extender Splitter is a device that lets you display one video source to up to eight screens. It supports high-resolution video (up to 4K@60Hz) and can send the signal to screens up to 230 feet away. Plus, it uses Power Over Cable technology, so you only need one power adapter connected to the main unit, and the other units get power through the cables. Whether you're setting up a home entertainment system or displaying content in a business environment, this splitter makes it easy to share your video source with multiple screens.



Features

1. Connects one video source to up to eight displays simultaneously.
2. Video resolutions up to 4K@60Hz.
3. Extend video signals up to 230 feet.
4. Utilizes Power Over Cable technology, requiring only one power adapter for the main unit.
5. Receiver units are powered through the connected CAT cables, reducing clutter and simplifying installation.
6. Provides seamless video distribution without signal degradation or loss.
7. Ideal for home entertainment setups, conference rooms, classrooms, and digital signage applications.
8. Compact and durable design for reliable long-term use.
9. Easy setup and operation, with plug-and-play functionality.

Package Contents

1.	Transmitter	1pcs
2.	Receiver	8pcs
3.	Screw	40pcs
4.	IR Blaster Cable	1pcs
5.	IR Receiver Cable	8pcs
6.	RS-232 Terminal Block	1pcs
7.	Mounting Brackets	18pcs
8.	Power Adapter (DC 12V/5A)	1pcs
9.	User Manual	1pcs

Specifications

Technical	
HDMI Compliance	HDMI 2.0
HDCP Compliance	HDCP 1.4/2.2
Video Bandwidth	18Gbps
Video Resolution	4K@24/30/50/60Hz, 1080P@50/60Hz, 720P@50/60Hz, 1280x960, 1280x800, 1280x768, 1680x1050, 1360x768, 1366x768, 1600x900, 1024x768, 800x600
Color Depth	RGB YUV 4:4:4 YUV 4:2:2 YUV 4:2:0
Color Space	12 Bit
Audio Formats	LPCM/DTS-HD/DTS-Audio/Dolby Digital 5.1
Transmission Distance	≤ 70m / 230ft
Connection Type	One-to-one
ESD Protection	1a Contact discharge level 2 1b Air discharge level 3 Standard: IEC61000-4-2

Specifications

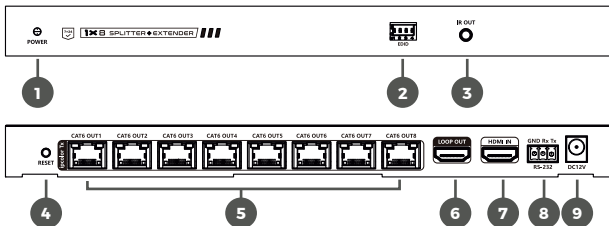
Connection	
Transmitter	Input: 1 × HDMI [Type A, 19-pin female] 1 × RS-232 1 × DC 12V [Power Input] Output: 1 × HDMI [Type A, 19-pin female] 8 × CAT [RJ45] 1 × IR OUT [3.5mm Jack]
Receiver	Input: 1 × CAT [RJ45] 1 × IR IN [3.5mm Jack] 1 × DC 12V [Power Input] Output: 1 × HDMI [Type A, 19-pin female] 1 × S/PDIF [Optical/ TOSLINK]

Specifications

Mechanical	
Housing	Iron
Silkscreen Color	Black
Dimensions	Tx: 10.4in [L] x 4.72in [W] x 0.9in [H] Rx: 4.15in [L] x 4.03in [W] x 0.78in [H]
Weight	TX: 731g / 25.7oz; RX: 243g / 8.5oz
Power Supply	Input: AC 100-240V 50/60Hz, Output: DC 12V/5A (US/EU standards, CE/FCC/UL certified)
Power Consumption	Total < 50W
Operating Temperature	-20°C ~ 60°C / -4°F ~ 140°F
Storage Temperature	-30~70°C / -22°F ~ 158°F
Relative Humidity	0~90% RH (non-condensing)

Operation controls and functions

Transmitter



No.	Name	Function
1.	Power indicator (Blue)	The indicator will light up when the device is connected to the power adapter
2.	EDID Dip Switch	Set the switches to different positions to set to a specific EDID setting
3.	IR Out	Connect the included IR Blaster cable
4.	Reset	Press to restart the device
5.	CAT Out 1-8	CAT output to connect a CAT6/7 cable. The other end connects to the Receiver
6.	HDMI output	Connect a display device such as a TV, Monitor, etc.
7.	HDMI input	Connect a media source device such as a Computer, Laptop, etc.
8.	RS-232	Control the device by sending RS-232 commands
9.	DC12V Barrel Connector	Barrel connection to connect the power adapter

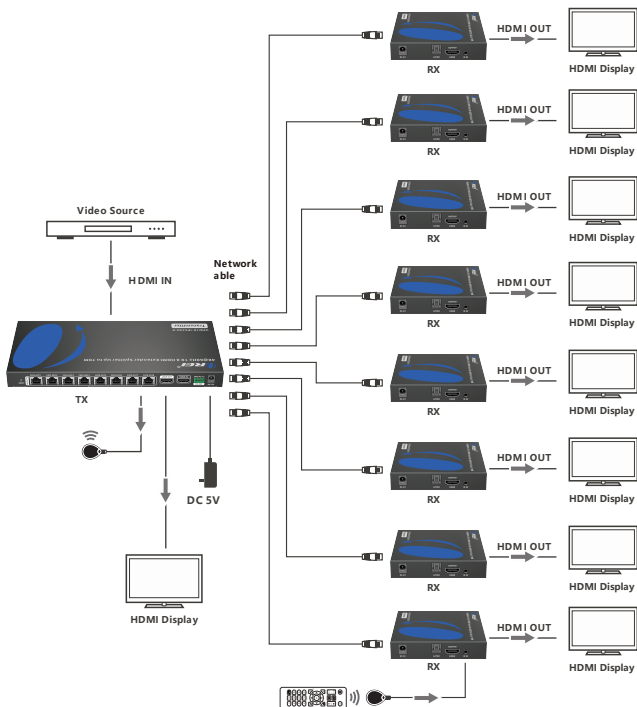
Operation controls and functions

Receiver



No.	Name	Function
1.	Reset	Press to restart the device
2.	Audio Switch	Choose the audio source for the S/PDIF output S/PDIF: Audio comes from the source device ARC: Audio from the TV connected to the Receiver
3.	CAT In	CAT input to connect a CAT6/7 cable. The other end connects to the Transmitter
4.	Power/Signal indicator (Blue)	The indicator will light up when the device is getting both power and video signals from the Transmitter. It will flash when there is no video signal
5.	DC12V Barrel Connector	Barrel connection to connect the power adapter
6.	S/PDIF	Connect an audio device such as a Soundbar or AVR
7.	HDMI output	Connect a display device such as a TV, Monitor, etc.
8.	IR In	Connect the included IR Receiver cable

Application Example



FAQs & Troubleshooting

No Video Output from the Receiver End

Try the following:

1. Check if the Power and Link indication LEDs are lighting on both ends
2. Change the HDMI cable going to the display
3. Change the CAT cable
4. Check if the HDMI OUT on the Transmitter is working or not
5. Try pressing the Reset button on the Receiver

No Video Output from the Receiver End and the Transmitter HDMI OUT

Try the following:

1. Check if the Power and Link indication LEDs are lighting on both ends
2. Change the HDMI cables
3. Change the CAT cable
4. Check if the HDMI OUT on the Transmitter is working or not

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

Try the following:

1. Check if the settings on the display are set to 4K
2. Change the HDMI cable to one that supports 4K@60Hz
3. Check the length of the CAT cable. If it is longer than 120M, 4K resolution will not transmit perfectly
4. Check if the HDMI OUT on the Transmitter is working or not
5. Check if the video output setting from the source is set to 4K

FAQs & Troubleshooting

Can I extend multiple screen with this product?

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

Can I extend beyond the mentioned distance?

Yes, you will be able to get a signal beyond the mentioned distance but the quality of the video decreases with increase in the distance and that too when using with shielded CAT6 cable.

How can I upgrade the firmware?

You can upgrade the firmware by connecting the PC & this device via a Micro-USB cable. Check the 'Downloads' section on the product page on the website for firmware updates.

Can I input the output of this product to another extender implement a daisy chain setup?

Yes, you can daisy chain this extender with another set of the same model. However, this model supports One-to-many Over IP connection, so you only need to purchase additional Receivers to add more displays.

What types of HDMI & CAT cables I should use with this product?

We recommend you to use High-Quality HDMI cables under 30 feet & Round-Shielded CAT6 cables.

FAQs & Troubleshooting

How can I purchase additional Transmitter & 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.

I am unable to get the remote to work with IR, how to connect the IR Blaster & IR Receiver?

The IR Blaster should be connected to the IR out port on the Transmitter and the IR Receiver should be connected to the IR in on the Receiver.

Here's a quick overview of how the IR connection works on our extenders:



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 the website.

Our team will be more than happy to help you.

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