



**4K@60Hz HDMI™
Extender (IR) - 230ft (Cat6)**

USER MANUAL

UHD-IPC230-K

*Follow us on Youtube
and Facebook*



www.orei.com

Table of Contents

Introduction	04
Features	05
Package Contents	05
Specifications	06
Operation Controls and Functions	08
Application Example	10
FAQs & Troubleshooting	11

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. - 5 p.m.

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

Introduction

The UHD-IPC230-K HDMI Extender transmits media over CAT 6/7 cable up to 230 feet. It is HDCP 2.3 compliant and supports 18Gbps video bandwidth with resolutions up to 4K@60Hz, including HDR and HLG. It features one-way IR for controlling the source device from the Receiver location. Power over Cable technology simplifies installation by requiring only one power adapter at the Transmitter. Its compact design and plug-and-play setup make it perfect for both commercial and home applications.



Features & Package Contents

1. HDCP 2.3 compliant
2. Video bandwidth up to 18Gbps
3. 4K@60Hz video resolution
4. Extend media up to 230 feet at 4K@60Hz over a CAT 6/7 cable
5. HDR & HLG support
6. One-way IR control to control the source from the Receiver end
7. Power over Cable technology; only requires power adapter at the Transmitter end
8. Compact design with plug and play setup

Package Contents

1.	UHD-IPC230-K Transmitter	1 pcs
2.	UHD-IPC230-K Receiver	1 pcs
3.	IR Blaster Cable	1 pcs
4.	IR Receiver Cable	1 pcs
5.	Power Adapter	1 pcs
6.	User Manual	1 pcs

Specifications

Technical	
HDCP Compliance	HDCP 2.3
HDMI Compliance	HDMI 2.0
Video Bandwidth	18Gbps
Video Resolution	480i,576i,1080i 480p,576p,720p,1080p,4K@60Hz
Color Space	YCbCr 4:4:4/YCbCr 4:2:2/YCbCr 4:2:0/RGB
Color Depth	12-bit
Audio Formats	Uncompressed: LPCM Compressed: DTS, Dolby Digital
HDR	Supported
ESD Protection	Contact discharge ($\pm 4\text{KV}$), air discharge ($\pm 8\text{kv}$), Implementation of the standard: IEC61000-4-2
Connection	
Transmitter	Input: 1 x HDMI [Type A, 19-pin female] 1 x DC 12V [For Power] Output: 1 x CAT [RJ45] Control: 1 x IR OUT [3.5mm Jack]
Receiver	Input: 1 x CAT [RJ45] 1 x DC 12V [For Power] Output: 1 x HDMI [Type A, 19-pin female] Control: 1 x IR IN [3.5mm Jack]

Mechanical	
Housing	Metal
Color	Black
Dimensions	L: 84mm / 3.30in W: 76.4mm / 3.00in H: 20mm / 0.78in
Weight	Tx & Rx: 120g / 4.23oz
Power Supply	Input: AC 100-240V 50/60Hz, Output: DC 12V/1A (US/EU standards, CE/FCC/UL certified)
Power Consumption	Tx: 4W; Rx: 3.5W (Max)
Operating Temperature	0°C ~ 50°C / 32°F ~ 122°F
Storage Temperature	-20°C ~ 60°C / -4°F ~ 140°F
Relative Humidity	20~90% RH (non-condensing)

Operation Controls & Functions

TX



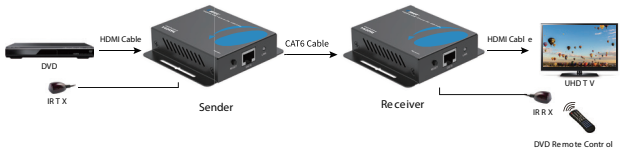
RX



Operation Controls & Functions

No.	Name	Function Description
1.	DC 12V	Connect the included power adapter
2.	HDMI IN	Connect a media device such as a DVD Player, set-top box, etc.
3.	IR OUT	Connect the included IR Blaster cable
4.	Reset	Press once to reset the unit
5.	CAT6	Connect a CAT 6/7 cable
6.	LINK	LED Indicator to confirm if the connection is established
7.	HDMI OUT	Connect a display device such as a TV or Monitor.
8.	IR IN	Connect the included IR Receiver cable

Application Example



Steps to Connect:-

1. Connect your media device to the HDMI IN on the Transmitter using an HDMI cable.
2. Connect a display device such as a TV, Monitor, etc. to the HDMI OUT on the Receiver using an HDMI cable.
3. Connect the Transmitter and Receiver through a CAT6/7 cable.
4. Connect the power adapter at the Transmitter end. The Receiver does not require power separately.
5. Now, with everything turned on, the media should display on your TV or Monitor.

FAQs & Troubleshooting

1. Link LED not lighting up.

- > Check if the power adapter is connected correctly
- > Check if the CAT cable and HDMI cables are connected securely.
- > Try changing the CAT cable. We recommend using shielded CAT 6 for optimum performance.

2. No video output on the Receiver

- > Check if the Link LED is lighting up or not
- > Try changing the HDMI and CAT cables
- > Try a different media source

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.

OREI Live Technical Support Hours

US team (US/Canada/Mexico): Monday-Friday, 9 a.m. - 5 p.m.

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



**4K@60Hz HDMI™
Extender (IR) - 230ft (Cat6)**

UHD-IPC230-K

www.orei.com

© 2025