

H23034 (ORE01) 说明书: 0106020140181

备注

材质: 100克书纸

尺寸: 111x146mm

装订方式: 骑马钉



**USB C to HDMI Extender over  
CAT6 up to 82ft at 4K 120Hz**

**UHD-EX120C-K**

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**UHD-EX120C-K**  
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**USER MANUAL**

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# Table of Contents

Introduction	05
Features	06
Package Contents	06
Specifications	07
Operation Controls and Functions	09
Application Example	10

## 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](http://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](mailto:info@orei.com) | **Support Number** - 877-290-5530

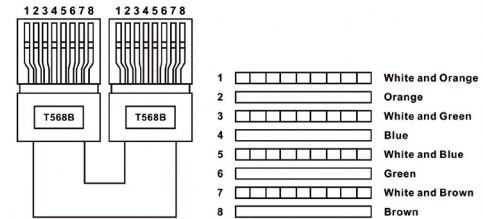
Or

#### Chat Live on [www.orei.com](http://www.orei.com)

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

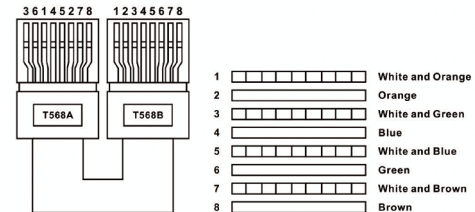
## Caution

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-EX120C-K is a USB C to HDMI Extender that transmits a media signal from a laptop or PC to an HDMI display over ethernet, reaching distances of up to 196 feet at 4K@60Hz. It is HDMI 2.0 and HDCP 2.2 compliant, with video resolutions up to 4K@120Hz over 82 feet. Features 18Gbps video bandwidth with HDR10 support. Only the Receiver unit requires power. This extender is perfect for professional applications like presentations, digital signage, and more.



# Features & Package Contents

- 1. HDMI 2.0 & HDCP 2.2 compliant
- 2. Video resolution up to 4K@120Hz
- 3. 18Gbps video bandwidth
- 4. 4K@120Hz transmission up to 82 feet and 4K@60hz up to 196 feet using CAT 6/7 cable
- 5. Type C input to connect to a laptop
- 6. HDR 10 support
- 7. Only the Receiver unit requires power
- 8. Compact design and plug-and-play setup
- 9. Ideal for presentations and digital signage

## Package Contents

1.	UHD-EX120C-K Transmitter	1 pcs
2.	UHD-EX120C-K Receiver	1 pcs
3.	Micro USB cable	1 pcs
4.	User manual	1 pcs

## Specifications

Items		Specifications
<b>Compatibility</b>	Voltage	TX: Power by the signal source RX: DC 5V500mA
	Power consumption	TX < 3W, RX < 3W
<b>HDMI performance</b>	HDMI version	HDMI 2.0
	HDCP version	HDCP 2.2, HDCP 1.4
	Max transmission rate	18Gbps
	Resolution	1280x720, 1280x960, 1366x768, 1440x900, 1680x1050, 1920x1080, 1920x1200, 720p@50/60Hz, 1080i@50/60Hz, 1080p@24/25/30/50/60/120Hz, 2560x1440@50/60/120/144Hz, 3840x2160@24/25/30/50/60/100/120Hz, 4096x2160@24/25/30/50/60Hz
	TMDS signal	0.7-1.2Vp-p (TMDS)
	DDC signal	5Vp-p (TTL)
<b>Transmission distance</b>	CAT6/6A/7	4K@60Hz≤60m 2560x1440@120/144Hz ≤30m 4K@100/120Hz≤25m
<b>Audio formats</b>	PCM, DTS, Dolby	
<b>HDR10</b>	Supported	
<b>HDMI 3D</b>	Supported	
<b>EDID passthrough</b>	Supported, auto downscaling	
<b>Operating environment</b>	Working temperature	-20~55 C
	Storage temperature	-30~60 C
	Humidity	0~90%RH (no condensation)

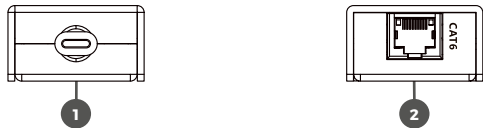
## Specifications

<b>Physical properties</b>	Material	ABS
	Color	Black
	Transmitter	L: 71.5mm / 2.81in W: 26mm / 1.02in H: 15mm / 0.59in
	Receiver	L: 67mm / 2.63in W: 40mm / 1.57in H: 23mm / 0.90in
	Weight	TX: 85g / 3oz RX: 72g / 2.53oz
<b>ESD protection</b>	1a Contact discharge level 2 (±4KV) 1b Air discharge level 3 (±8KV) Implementation of the standard: IEC61000-4-2	

# Operation controls and functions

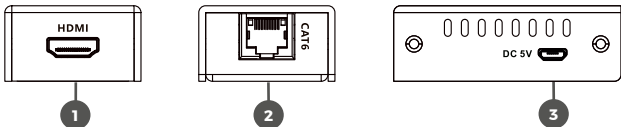
# Application Example

## Transmitter



No.	Name	Function
1	Type-C signal input	Connect to the USB C port of your laptop or PC. (NOTE: It should support video output through the USB C port.)
2	RJ45 signal output	Connect a CAT 6/7 cable. The other end connects to the Receiver

## Receiver



No.	Name	Function
1	HDMI signal output	Connect a display device such as a TV or Projector
2	RJ45 signal input	Connect a CAT 6/7 cable. The other end connects to the Transmitter
3	Power input	Connect the included Micro USB cable for power

## Description

### Connection Diagrams

