H23060（ORE01）说明书： 0106020147642

备注

材质：100克书纸

尺寸：111x146mm

装订方式：骑马钉

4K@120Hz 30Meter/4K@60Hz 60Meter HDMIExtender Over Cat6 with IR

UHD-EX120HZ-K

www.orei.com

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USER MANUAL

UHD-EX120HZ-K

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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

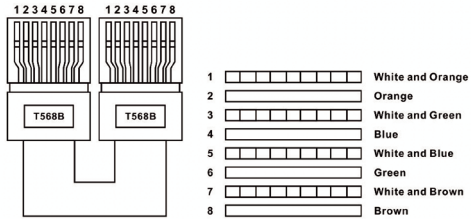
Or

Chat Live on www.orei.com

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

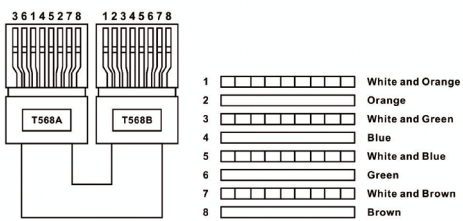
Caution

The extender need to follow direct interconnection method CAT cable.



Direct interconnection method

The extender will go into protection mode automatically and no video out when using cross interconnection method CAT cable.



Cross interconnection method

Introduction

UND-EXM500-K This product is a 4K@60Hz HDMI extender kit consisting of a transmitter and a receiver, using ipcolor STREAM technology for high-definition, low-latency transmission. The 4K@60Hz HDMI signal can be extended up to 120m via Category 6 and above network cables, supporting one-to-one connection, one-to-many connections via gigabit switch, or switch cascades. It also supports HDMI loop out, IR passback, and RS-232 passthrough functions, and can be widely used in meetings, home entertainment, educational presentations, and other fields.
此处要提供新文案

Features & Package Contents

1. Zero latency transmission.
2. Support up to 4K@120Hz resolution, backward compatible.
3. Compatible with Cat6/6A/7network cable, transmission distance up to 60 meters for 4K@60Hz signal and 25 meters for 4K@100/120Hz signal.
4. Support RS-232 passthrough.
5. Support IR passback (20~60kHz).
6. Support HDR.
7. Support EDID passthrough and auto downscaling.
8. The receiver supports 3.5mm stereo output.
9. Lightning protection, surge protection, ESD protection.

Package Contents

1.	UHD-EX120HZ-K Transmitter	1 pcs
2.	UHD-EX120HZ-K Receiver	1 pcs
3.	DC5V/1A	2 pcs
4.	IR receiver cable	1 pcs
5.	IR blaster cable	1 pcs
6.	Mounting ear	1 pcs
7.	Screw	10 pcs
8.	Grounding Screw	1 pcs
9.	Terminal block(RS-232)	2 pcs

Specifications

Item	Transmitter	Receiver
Video Signal		
Input interface	1x HDMI	1x RJ45
Output interface	1x RJ45	1x HDMI
HDMI Length	≤5m	≤5m
Maximum transfer rate	18Gbps	
Compatibility	HDMI 2.0	
	HDCP 2.2, HDCP 1.4	
Resolutions	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	
Connection types	One-to-one connection	
Transmission distance	CAT6/6A/7: 4K@60Hz≤60m 2560×1440@144Hz≤30m 4K@120Hz≤25m	
Audio		
Input interface	1x HDMI	N/A
Output interface	N/A	1x HDMI 1×3.5mm L/R

Specifications

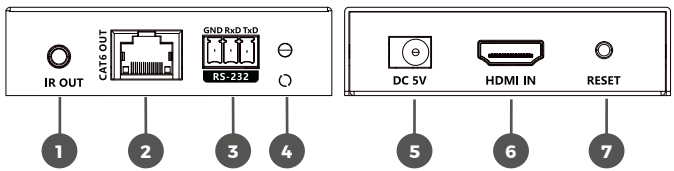
HDMI out	PCM, DolbyDigital 5.1, DTS 5.1	
3.5mm L/R output	PCM	
Command Signal		
IR interface	1x 3.5mm IR out	1x 3.5mm IR in
IR receiving range	≤5m	
IR frequency	20kHz~60kHz	
RS-232 (GND/RxD/TxD)	Support baud rate: 2400, 4800, 9600, 19200, 38400, 57600, 115200	
Power		
Power supply	DC 5V/1A	DC 5V/1A
Power consumption	TX ≤ 3W	RX ≤ 3W
Operating Environment		
Working temperature	-20℃~70℃	
Storage temperature	-30℃~70℃	
Humidity	0~90%RH (no condensation)	
Physical Properties		
Housing	Iron	

Specifications

Weight	TX: 185g	RX: 185g
Color	Black	
Dimensions	85.0(L)*76.0(W)*20.6(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	

Operation controls and functions

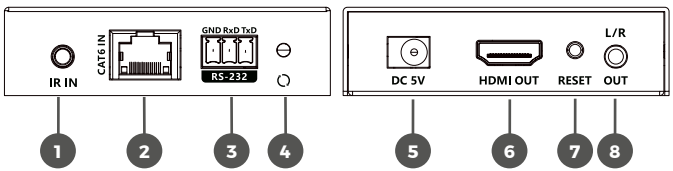
Transmitter



No.	Name	Function
1	IR output	Connect with IR blaster extension cable
2	RJ45 output	Connect with CAT6/6A/7 network cable
3	RS-232(GND/RxD/TxD)	Used for RS-232 passthrough
4	Status indicator	When there is power and no HDMI signal, the indicator will flash, when there is HDMI signal, the indicator will light solid
5	DC 5V	Connect with DC 5V power adapter
6	HDMI input	Connect with HDMI source device with HDMI cable
7	Reset	Press to restart the device

Operation controls and functions

Receiver



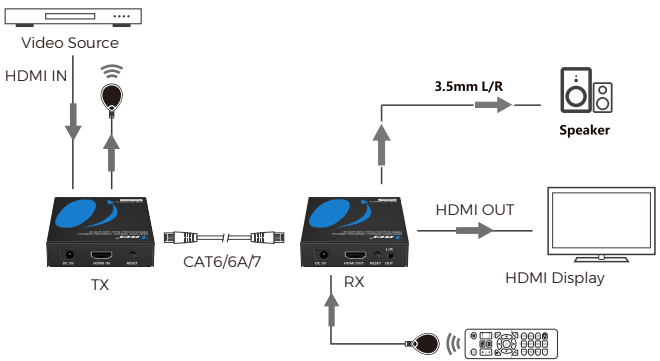
No.	Name	Function
1	IR input	Connect with IR receiver extension cable
2	RJ45 input	Connect with CAT6/6A/7 network cable
3	RS-232(GND/RxD/TxD)	Used for RS-232 passthrough
4	Status indicator	When there is power and no HDMI signal, the indicator will flash, when there is HDMI signal, the indicator will light solid
5	DC 5V	Connect with DC 5V power adapter
6	HDMI output	Connect with HDMI display device with HDMI cable
7	Reset	Press to restart the device
8	3.5mm stereo output	Connect with earphone or speaker

Connection Diagram

Description

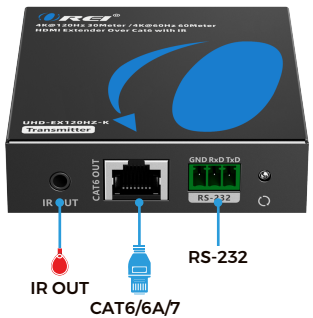
Connection Diagrams

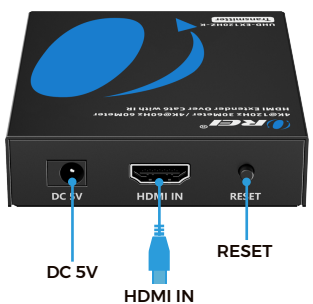
1.1 One-to-one connection

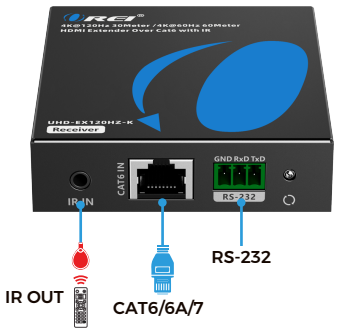
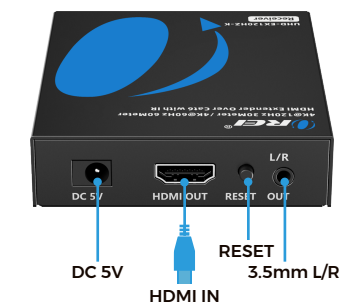


Connection Diagram

Transmitter





Connection Diagram

Receiver