

H23001 (ORE01) 说明书: 0106020147657

材质: 100克书纸

尺寸: 111x146mm

装订方式: 骑马钉



**4K@60Hz HDMI Over 1G IP
Extender with ARC - PRO**
UHD-EXM500PRO-K

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**4K@60Hz HDMI Over
1G IP Extender with
ARC - PRO**

USER MANUAL

UHD-EXM500PRO-K

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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 life of your equipment.

Registration page

Caution

Please Activate your warranty by registering your 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

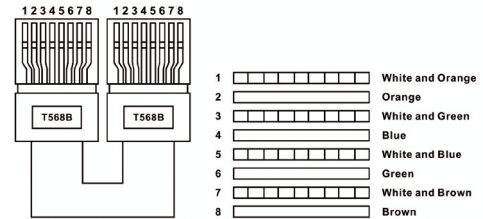
Support Email - info@orei.com | **Support Number** - 877-290-5530

Or

Chat Live on www.orei.com

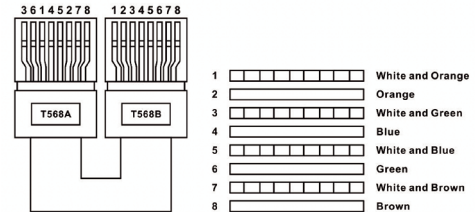
Send us an instant message now. Our Technical Support Team will respond momentarily. Available during live support hours.

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

Features

This EX-230PRO HDMI Extender includes a transmitter unit and a receiver unit and allows the HDMI signal to be transmitted up to 70 meters at 1080P@60Hz resolution, and up to 40 meters at 4K@30Hz resolution while using a single Cat6/6A/7 network cable. It adopts a point-to-point connection configuration, supports IR pass-back and POC (power over cable), power supply adapter is only needed for transmitter. It is perfect video transmission solution for outdoor advertising, monitor system, home entertainment, conference, etc.

(此处要提供新的文案描述)



1. Ultra low latency and high definition transmission.
2. Extend 4K@60Hz HDR HDMI signal up to 120m over Cat6/6A/7 cable.
3. Support one-to-many connection through the gigabit switch.
4. Support HDMI ARC and HDMI CEC.
5. Support RS-232 passthrough and command control.
6. The transmitter supports HDMI loop out.
7. Support bi-directional IR passthrough.
8. The receiver can output the source audio additionally through the S/PDIF port.
9. Support firmware upgrade via micro USB.
10. Lightning protection, surge protection, ESD protection.

Package Contents

1.	UHD-EXM500PRO-K Transmitter	1 pcs
2.	UHD-EXM500PRO-K Receiver	1 pcs
3.	IR receiver extension cable	1 pcs
4.	IR blaster extension cable	1 pcs
5.	Mounting ear	4 pcs
6.	Screw	10pcs
7.	Terminal block (RS-232)	2 pcs
8.	User manual	1 pcs
9.	Grounding Screw	1 pcs

Specifications

Item	Transmitter	Receiver
Video		
Input interface	1x HDMI	1x RJ45
Output interface	1x HDMI 1x RJ45	1x HDMI
HDMI length	≤ 5m	≤ 5m
Maximum transfer rate	18Gbps	
Compatibility	HDMI 2.0 (Deep color, 4K, HDR10, YUV444)	
	HDCP 1.4/HDCP 2.2	
Resolutions	4096x2160@24/25/30/50/60Hz, 3840x2160@24/25/30/50/60Hz, 1080p@24/25/50/60Hz, 720p@50/60Hz, 1024x768, 1280x768, 1280x800, 1280x960, 1280x1024, 1440x900, 1400x1050, 1600x900, 1680x1050, 1920x1080, 1920x1200	
Connection types	One-to-one connection One-to-many connection Switch cascading	
Transmission distance	CAT5/5e ≤ 80m CAT6/6A/7 ≤ 120m	
Transmission latency	≤16ms	
Audio		
Input interface	1x HDMI	N/A
Output interface	1x HDMI 1x S/PDIF	1x HDMI 1x S/PDIF
HDMI Out	LPCM2.1CH/DTS-Audio/ Dolby Atmos DD+	

Specifications

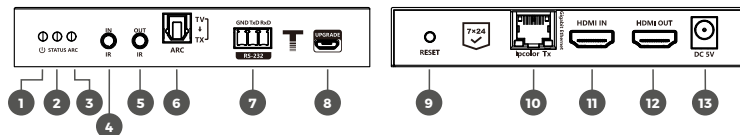
S/PDIF Out(ARC)	LPCM 2.1CH/DTS-Audio/Dolby Digital 5.1CH	
Audio sampling rate	44.1kHz, 48kHz, 88kHz, 96kHz, 176kHz, 192kHz	
Audio bit depth	16bit, 24bit	
ARC	Supported	
Command Signal		
IR interface	1x 3.5mm IR IN 1x 3.5mm IR OUT	1x 3.5mm IR IN 1x 3.5mm IR OUT
Receiving range	≤ 5m	
Infrared frequency	20kHz-60kHz	
CEC	supported	
RS-232 (GND/RxD/TxD)	Default baud rate: 115200 Supported: 2400, 4800, 9600, 19200, 38400, 57600, 115200, 230400	
Power		
Power Supply	DC 5V/2A	DC 5V/2A
Power Consumption	< 7.5W	< 7.5W
Operating Environment		
Working temperature	-20°C-50°C	
Storage temperature	-30°C-70°C	
Humidity	0-90% RH (no condensation)	

Specifications

Physical Properties		
Housing	Iron	
Weight	369.0g	368.0g
Color	Black	
Dimensions	124.6 (L) x115.0 (W) x21.3 (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

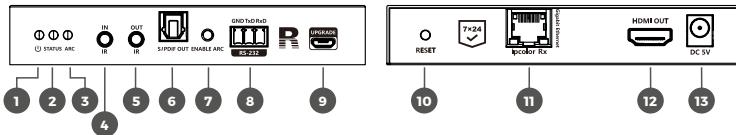


No.	Name	Function
1.	Power indicator	The indicator will turn blue when the power is turned on
2.	Status indicator	Light off: The transmitter and the receiver have not established a connection Slow flash (every 1 second): The transmitter and the receiver are connected but no video data transmission Quick flash (every 200ms): The video signal is disconnecting Steady on: The video data is transmitting
3.	ARC indicator	Light off: ARC is off Slow flash (every 1 second): The ARC between the TX and the RX is connected Quick flash (every 200ms): The ARC between the TV and the extender kit is connected Steady on: The ARC data is transmitting
4.	IR IN	Connect with IR receiver extension cable
5.	IR OUT	Connect with IR blaster extension cable
6.	S/PDIF port (ARC)	Output the audio returned from the TV
7.	RS-232 serial port	Used for RS-232 passthrough and command control
8.	Micro-USB port	Used for device firmware upgrade
9.	Reset button	Press to restart, long press to restore factory settings
10.	RJ45 port	Connect with CAT6/6A/7 network cable
11.	HDMI input	Connect with HDMI source device with HDMI cable
12.	HDMI loop out	Connect with local HDMI display device with HDMI cable
13.	Power input	Connect with DC 5V/2A power adapter

Operation controls and functions

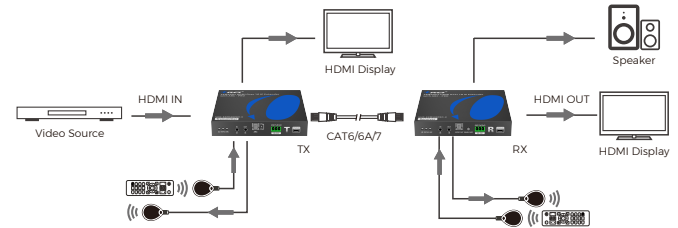
Connection Diagram

Receiver

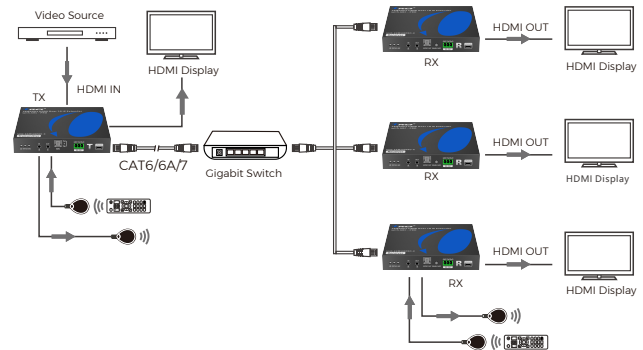


No.	Name	Function
1.	Power indicator	The indicator will turn blue when the power is turned on
2.	Status indicator	Light off: The transmitter and the receiver have not established a connection Slow flash (every 1 second): The transmitter and the receiver are connected but no video data transmission Quick flash (every 200ms): The video signal is connecting Steady on: The video data is transmitting
3.	ARC indicator	Light off: ARC is off Slow flash (every 1 second): The ARC between the TX and the RX is connected Quick flash (every 200ms): The ARC between the TV and the extender kit is connected Steady on: The ARC data is transmitting
4.	IR IN	Connect with IR receiver extension cable
5.	IR OUT	Connect with IR blaster extension cable
6.	S/PDIF port	Output the digital audio
7.	ARC button	Turn on/off HDMI ARC; In the case of multiple RXs, it will switch to the RX where the ARC button was last pressed
8.	RS-232 serial port	Used for RS-232 passthrough and command control
9.	Micro-USB port	Used for device firmware upgrade
10.	Reset button	Press to restart, long press to restore factory settings
11.	RJ45 port	Connect with CAT6/6A/7 network cable
12.	HDMI output	Connect with HDMI display device
13.	Power input	Connect with DC 5V/2A power adapter

One-to-one connection:



One-to-many connection:



Connection Diagram

Switch cascading:

