OREI

BK-22

8K Two-Input Dual View HDMI Splitter

USER MANUAL

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Table of Contents

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

This 8K Two-Input Dual View HDMI Splitter can not only switch any of the two HDMI input signals, but also distribute it to two displays simultaneously. It supports video resolution up to 8K@60Hz 4:2:0. It supports advanced EDID management. As able to be used either as a splitter or a switcher, this multifunctional product can be widely applied in scenarios of demonstration, video conference, multimedia teaching and other occassions requiring for big-screen demonstration.

1. HDMI 2.1 and HDCP 2.3 compliant
2. Support 40Gbps video bandwidth
3. Support video resolution up to 8K@60Hz 4:2:0 10bit, 8K@30Hz 4:4:4 10bit, 4K@120Hz 4:4:4 10bit
4. VRR, FVA, ALLM supported
5. Support HDR, HDR10, HDR10+, Dolby Vision, HLG pass through
6. Support HDMI audio formats: LPCM, Dolby Digital/Plus/EX, Dolby True HD, DTS, DTS-EX, DTS-96/24, DTS High Res, DTS-HD Master Audio, DSD
7. 2x2 Switch with Dual Output
8. Built-in Equalizer, Retiming and Driver
9. Advanced EDID management
10. Support IR remote control and front panel button switching
11. Compact design for easy and flexible installation

Package Contents

1.	8K Two-Input Dual View HDMI Splitter	1pcs
2.	IR Remote	1pcs
3.	5V/2A Multinational Power Supply	1pcs
4.	User Manual	1pcs

Specifications

Technical	
HDMI Compliance	HDMI 2.1
HDCP Compliance	HDCP 2.3
Video Bandwidth	40Gbps
Video Resolution	Up to 8K@60Hz 4:2:0 10bit, 8K@30Hz 4:4:4 10bit, 4K@120Hz 4:4:4 10bit
Color Depth	8-bit, 10-bit, 12-bit
Color Space	RGB, YCbCr 4:4:4 / 4:2:2, YUV 4:2:0
HDR	HDR, HDR10, HDR10+, Dolby Vision, HLG pass through
HDMI Audio Formats	LPCM, Dolby Digital/Plus/EX, Dolby True HD,DTS, DTS-EX, DTS-96/24, DTS High Res, DTS-HD Master Audio, DSD
ESD Protection	Human body model — ±8kV (Air-gap discharge) &±4kV (Contact discharge)
Connection	
Input	2 × HDMI IN [Type A 19-pin female]
Output	2 × HDMI OUT [Type A 19-pin female]
Control	1 × SERVICE [Micro USB, Update port]

| Mechanical	
Housing	Metal Enclosure
Silkscreen Color	Black
Dimensions	145mm (W) × 68mm (D) × 17mm (H)
Weight	265 g
Operating Temperature	0˚C ~ 40˚C / 32˚F ~ 104˚F
Storage Temperature	-20˚C ~ 60˚C / -4˚F ~ 140˚F
Relative Humidity	20~90% RH (Non-condensing)
Power Consumption (Max)	6.15W (Max)
Power Supply	Input: AC100 - 240V 50/60Hz, Output: DC 5V/2A (US/EU standards, CE/FCC/UL certified)

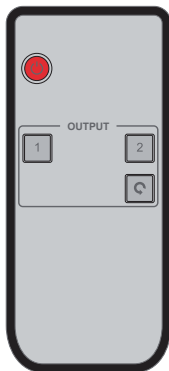| Recommended HDMI Cable				
Video Resolution	8K	4K60	4K24	1080P
HDMI Cable Type	Ultra HDMI 2.1	HDMI 2.0	HDMI 1.4	HDMI 1.4
HDMI Cable Length (HDMI IN / OUT)	3m/10ft	8m/26ft	12m/39ft	15m/49ft
The use of "Premium High Speed HDMI" cable is highly recommended.				

Operation Controls and Functions

Front Panel
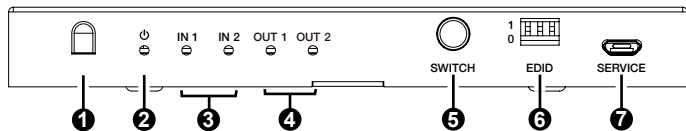
Rear Panel
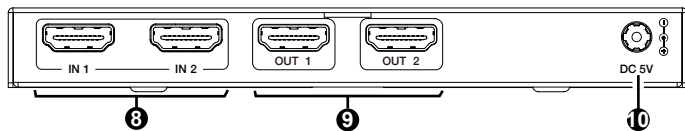
No.	Name	Function Description
1.	IR Window	IR input signal receiving window.
2.	POWER LED	The power LED lights in green when the device is working, and red when the device is in standby.
3.	IN LED (1~2)	When the HDMI IN 1/2 port is selected as the signal source input channel, the corresponding green LED will be on.
4.	OUT LED (1~2)	When the HDMI OUT 1/2 port connects a display device and outputs signal, the corresponding green LED will be on.
5.	SWITCH	Used to select signal source. Pressing this button will allow the device to switch any of the two HDMI input signals and distribute it to two displays simultaneously.

| No.	Name	Function Description
6.	EDID DIP switch	Use the DIP switch to set EDID. 111 - Copy OUT1 port sink EDID (as factory default) 110 - HDMI 1080p@60Hz, Audio 2ch PCM 101 - HDMI 4K@60Hz 4:4:4, Audio 2ch PCM, HDR 100 - HDMI 4K@60Hz 4:4:4, Audio 5.1ch PCM/DTS/DOLBY, HDR 011 - HDMI 4K@60Hz 4:4:4, Audio 7.1ch PCM/DTS/DOLBY/HD, HDR 010 - HDMI 8K@60Hz 4:2:0 + 8K@30Hz 4:4:4, 4K@120Hz 4:4:4, Audio 2ch PCM, HDR 001 - HDMI 8K@60Hz 4:2:0 + 8K@30Hz 4:4:4, 4K@120Hz 4:4:4, Audio 5.1ch PCM/DTS/DOLBY, HDR 000 - HDMI 8K@60Hz 4:2:0 + 8K@30Hz 4:4:4, 4K@120Hz 4:4:4, Audio 7.1ch PCM/DTS/DOLBY/HD, HDR
7.	SERVICE	Firmware update and debug port.
8.	IN (1~2) port	HDMI signal input port, connecting to HDMI source device such as DVD or PS5 with an HDMI cable.
9.	OUT (1~2) port	HDMI signal output port, connecting to HDMI display device such as TV or Monitor with an HDMI cable.
10.	DC 5V	DC 5V/2A Power input port.

IR Remote

⏻ : Power on the product or set it to standby mode.

1/2 : Press 1/2 button to select HDMI signal source IN 1/2 to the corresponding OUT 1/2 port.

↻ : Press this button to cyclically switch HDMI signal source IN 1/2 to the corresponding OUT 1/2 port.

8K TV 1

DVD or Blu-ray Player

Power Supply

IN 1 IN 2 OUT 1 OUT 2

DC 5V

PC

8K TV 2

8K
ULTRA**HD**
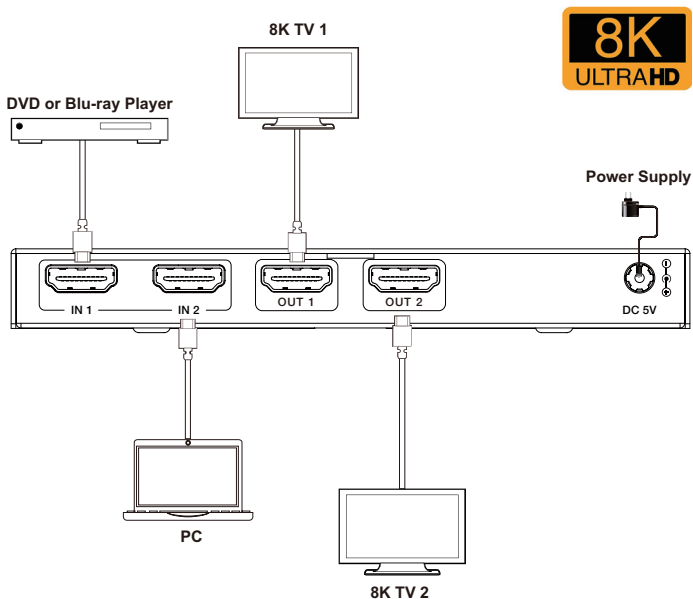
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