KanexPro®

8K Two-Input Dual View HDMI Splitter

MPN: SW-2X28K

VER. 1

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, lighting strikes, etc. Use of surge protection systems is highly recommended in order to protect and extend the life of your equipment.

Table of Contents

1. Introduction

The KanexPro SW-2X28K 8K Two-Input Dual View HDMI Splitter is designed to switch between two HDMI input signals and distribute them simultaneously to two displays. It supports video resolution up to 8K at 60Hz 4:2:0 and advanced EDID management. This versatile product can function as both a splitter and switcher, making it suitable for a wide range of scenarios, including demonstrations, video conferences, multimedia teaching, and other occasions that require big-screen displays.

2. Features

- HDMI 2.1 and HDCP 2.3 compliant
- Support 40Gbps video bandwidth
- Support video resolution up to 8K@60Hz 4:2:0 10bit, 8K@30Hz 4:4:4 10bit, 4K@120Hz 4:4:4 10bit
- VRR, FVA, ALLM supported
- Support HDR, HDR10, HDR10+, Dolby Vision, HLG pass through
- 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
- 2x2 Switch with Dual Output
- Built-in Equalizer, Retiming and Driver
- Advanced EDID management
- Support IR remote control and front panel button switching
- Compact design for easy and flexible installation

3. Package Contents

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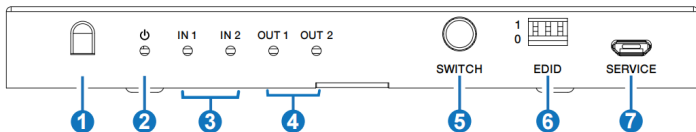3. 1 x 5V/2A Multinational Power Supply
4. 1 x User Manual

4. Specifications

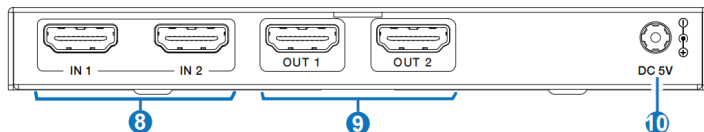| Technical	
HDMI Compliance	HDMI 2.1
HDCP Compliance	HDCP 2.3
Video Bandwidth	40Gbps
Video Resolution	Up to 8K@60Hz 4:2:0 10bit, 8K@30Hz 4:4:4 10bit, 4K@120Hz 4:4:4 10bit
Color Depth	8/10/12-bit
Color Space	RGB, YCbCr 4:4:4 / 4:2:2. YUV 4:2:0
HDMI Audio Formats	LPCM, Dolby Digital/Plus/EX, Dolby True HD, DTS, DTS-EX, DTS-96/24, DTS High Res, DTS-HD Master Audio, DSD Audio de-embedding output: Optical: LPCM 2/5.1 CH, Dolby Digital 2/5.1 CH, DTS 2/5.1 CH Analog: PCM 2.0
ESD Protection	Human body model — 38kV (Air-gap discharge) & ±4kV (Contact discharge)
Connection	
Input	2 x HDMI IN [Type A, 19-pin female]
Output	2 x HDMI OUT [Type A, 19-pin female]
Control	1 x SERVICE [Micro USB, Update port]
Mechanical	
Housing	Metal Enclosure
Silkscreen Color	Black
Dimensions	145mm (W) x 68mm (D) x 17mm (H)
Weight	265g
Power Supply	Input: AC100 - 240V 50/60Hz, Output: DC 5V/2A (US/EU standards, CE/FCC/UL certified)

Power Consumption	6.15W (Max)			
Operation 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)			
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.				

5. 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.
3	IN LED	When the HDMI IN port connects an active source device, the 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.

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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/DOL-BY/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
5	IN port	HDMI signal input port, connecting to HDMI source device such as DVD or PS5 with an HDMI cable.
6	OUT port (1~2)	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.

6. IR Remote

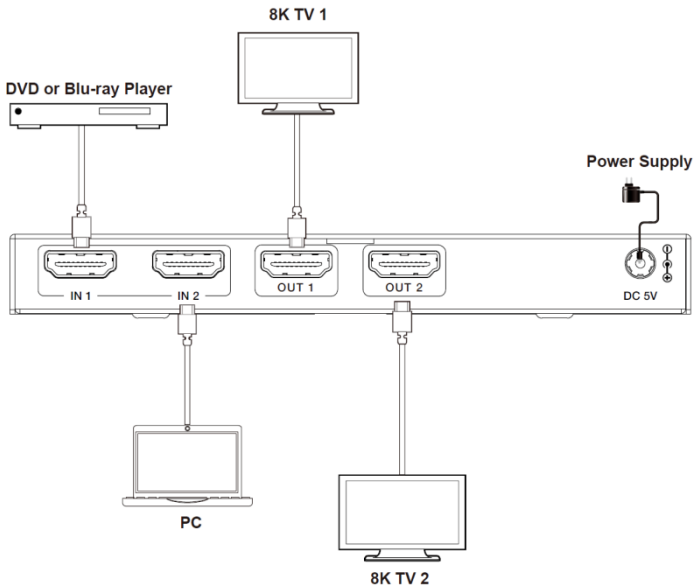**⏻** : Power on the product or set it to standby mode.

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.

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7. Application Example

HDMI
HIGH-DEFINITION MULTIMEDIA INTERFACE