

KanexPro®

8K HDMI 1x4 Splitter



MPN: SP-1X4A8K

VER. 1

Thank you for purchasing this product

To ensure the best performance and safety, it is imperative that you carefully read these instructions prior to connecting, operating, or adjusting this product. It is advised that you retain 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.

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1. Introduction

The KanexPro SP-1X4A8K 8K HDMI 1x4 Splitter has the ability to distribute a single HDMI source signal to two display devices. This product supports video resolution of up to 8K at 60Hz and 4:2:0, and also features advanced EDID management and audio de-embedding functionality, with audio output available through both optical and analog ports. This versatile product has numerous applications, including demonstration, video conferencing, multimedia teaching, and any other occasions that require large-screen display.

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
- Built-in Equalizer, Retiming and Driver
- Advanced EDID management
- Support audio de-embedding function (output through the optical and analog port)
- Compact design for easy and flexible installation

3. Package Contents

1. 1 x 8K HDMI 1x4 Splitter
2. 1 x 12V/2.5A Multinational Power
3. Supply 1 x User Manual

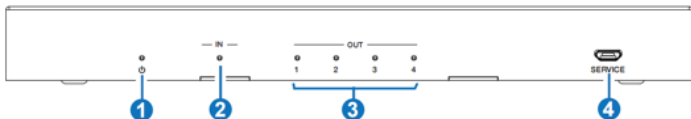
4. Specifications

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
Audio Formats	HDMI input/output: 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	1 x HDMI IN [Type A, 19-pin female]
Output	4 x HDMI OUT [Type A, 19-pin female] 1 x OPTICAL [S/PDIF] 1 x L/R [3.5mm Stereo Mini-jack]
Control	1 x SERVICE [Micro USB, Update port]
Mechanical	
Housing	Metal Enclosure
Silkscreen Color	Black
Dimensions	212mm (W) x 94mm (D) x 23mm (H)

Weight	539g			
Power Supply	Input: AC100 - 240V 50/60Hz, Output: DC 5V/2A (US/EU standards, CE/FCC/UL certified)			
Power Consumption	9W (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



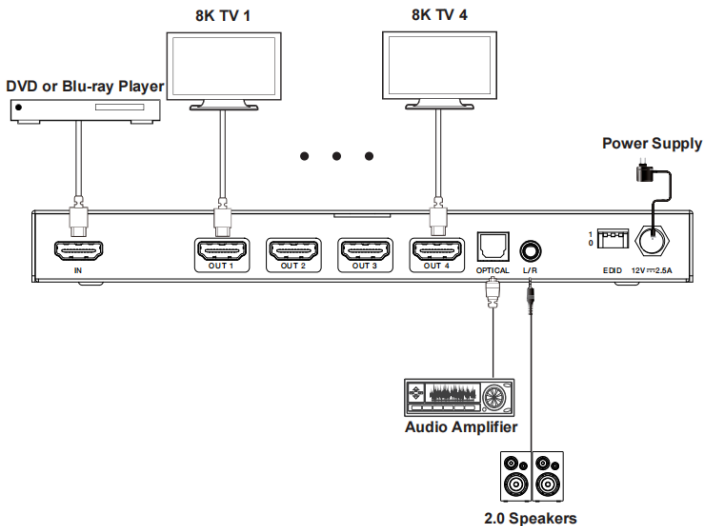
Rear Panel



No.	Name	Function Description
1	POWER LED	The power LED lights in green when the device is working.
2	IN LED	When the HDMI IN port connects an active source device, the green LED will be on.
3	OUT LED (1-4)	When the HDMI OUT 1/2/3/4 port connects a display device and outputs signal, the corresponding green LED will be on.
4	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 (1-4)	HDMI signal output port, connecting to HDMI display device such as TV or Monitor with an HDMI cable.
7	OPTICAL	Optical fiber audio output port.
8	L/R	Analog audio output port.
9	EDID DIP switch	<p>Use the DIP switch to set EDID.</p> <p>111. Copy OUT1 port sink EDID (as factory default)</p> <p>110. HDMI 1080p@60Hz, Audio 2ch PCM</p> <p>101. HDMI 4K@60Hz 4:4:4, Audio 2ch PCM, HDR</p> <p>100. HDMI 4K@60Hz 4:4:4, Audio 5.1ch PCM/DTS/DOLBY, HDR</p> <p>011. HDMI 4K@60Hz 4:4:4, Audio 7.1ch PCM/DTS/DOLBY/HD, HDR</p> <p>010. HDMI 8K@60Hz 4:2:0+8K@30Hz 4:4:4, 4K@120Hz 4:4:4, Audio 2ch PCM, HDR</p> <p>001. HDMI 8K@60Hz 4:2:0+8K@30Hz 4:4:4, 4K@120Hz 4:4:4, Audio 5.1ch PCM/DTS/DOLBY, HDR</p> <p>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</p>
10	Power Port	12V/2.5A Power input port.

6. Application Example



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