Lideo SW41-8K

8K HDMI 4x1 Switcher

USER MANUAL

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.

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1. Introduction

This 8K HDMI 4x1 Switcher can switch any of 4 HDMI sources to 1 HDMI display. It supports video resolution up to 8K@60Hz 4:4:4, 48Gbps video bandwidth. It is suitable for outdoor display, video conference, security monitoring, home theater and other applications.
By using this HDMI 8K switcher, you are allowed to connect from four HDMI INPUT ports to four HDMI source devices via an individual HDMI cable, then connect from HDMI OUTPUT port to your external monitor (such as HDMI projector, HDMI TV or HDMI ordinary display). You can switch between four sources by pressing the switch button on the front panel of the switcher.
Please pay attention that this switcher is not a bi-directional switcher, you can only use from four sources to one display (only 4 in 1 out, not 1 in 4 out).
It can work well with xbox or PS5 to achieve 4K@120hz on your TVs or relative monitors.

2. Features

☆ HDMI 2.1 and HDCP 2.3 compliant
☆ Support 48Gbps video bandwidth
☆ 8K@60Hz 4:4:4 8/10/12bit, 8K@60Hz 4:2:0 12-bit, 8K@30Hz 4:4:4 10-bit, 4K@120Hz 4:4:4 10-bit video support
☆ Support HDR, HDR10, HDR10+, Dolby Vision, HLG pass through
☆ VRR, FVA, ALLM support
☆ Support HDMI audio formats: LPCM 7.1CH, Dolby TrueHD, and DTS-HD Master Audio
☆ 4x1 switch output, auto switch is supported
☆ Built-in Equalizer and Driver
☆ Auto EDID management
☆ Compact design for easy and flexible installation

3. Package Contents

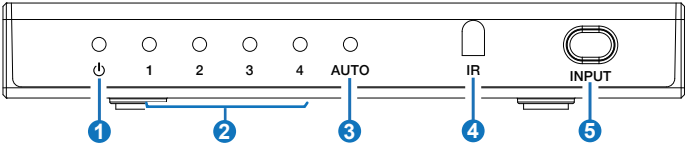
① 1 × 8K HDMI 4x1 switcher
② 1 × IR Remote
③ 1 × 5V/1A Power Supply
④ 1 × User Manual

4. Specifications

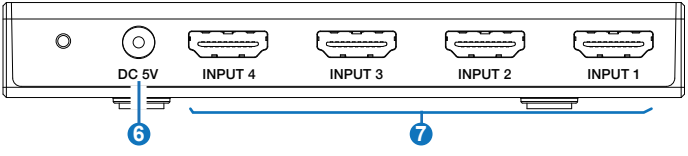
Technical	
HDMI Compliance	HDMI 2.1
HDCP Compliance	HDCP 2.3
Video Bandwidth	48Gbps
Video Resolution	Up to 8K@60Hz 4:4:4 8/10/12bit, 8K@60Hz 4:2:0 12-bit, 8K@30Hz 4:4:4 10-bit, 4K@120Hz 4:4:4 10-bit
Color Depth	8-bit,10-bit,12-bit
Color Space	RGB, YCbCr 4:4:4 / 4:2:2 / 4:2:0
HDMI Audio Formats	LPCM, Dolby Digital/Plus/EX, Dolby True HD, DTS, DTS-EX, DTS-96/24, DTS High Res, DTS-HD Master Audio, DSD
Connection	
Input	4×HDMI INPUT [Type A, 19-pin female]
Output	1×HDMI OUTPUT [Type A, 19-pin female]
Mechanical	
Housing	Plastic Enclosure
Silkscreen Color	Black
Dimensions	122mm (W) × 65mm (D) × 19mm (H)
Weight	88g
Power Supply	Input: AC100 - 240V 50/60Hz, Output: DC 5V/1A (US/EU standards, CE/FCC/UL certified)
Power Consumption	3.4W (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)

5. Operation Controls and Functions

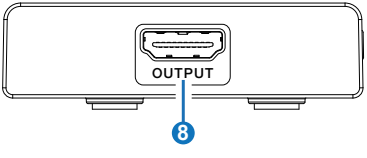
Front Panel



Rear Panel



Side Panel



No.	Name	Function Description
1	POWER LED	When the device is powered on, the white power LED is on.
2	INPUT LED (1~4)	When the INPUT 1/2/3/4 port is selected as the signal source input channel, the corresponding white LED will be on.
3	AUTO LED	When the auto switching mode is enabled, the corresponding white LED will be on.
4	IR Window	IR input signal receiving window.
5	INPUT button	▪ Short press this button to circularly select signal source. ▪ Long press this button for 3 seconds to enable the auto switching mode.
6	DC 5V	DC 5V/1A Power input port.

No.	Name	Function Description
7	INPUT port (1~4)	HDMI signal input ports, connected to HDMI source device such as DVD or PS5 with an HDMI cable.
8	OUTPUT port	HDMI signal output port, connected to HDMI display device such as TV or Monitor with an HDMI cable.

Notes:

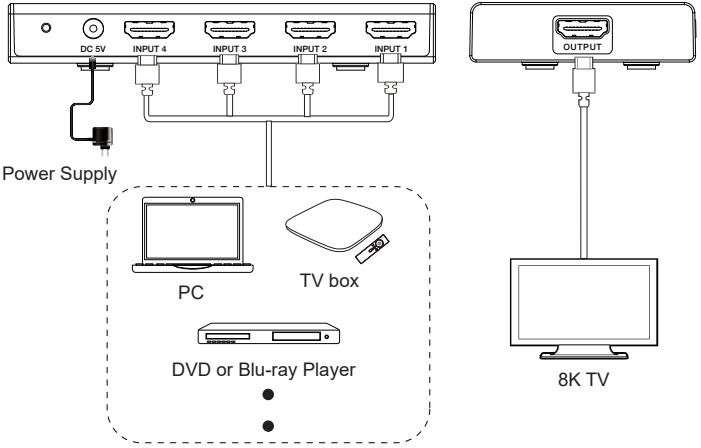
1. If you need to use the switcher to output signals of 4K@120Hz or 8K@60Hz, please make sure that your HDMI cable, HDMI signal source and HDMI display all support the above resolution.

2. The length of the HDMI cables connected to both ends of the switcher should not be too long, otherwise, it will easily cause the screen to flicker. The following HDMI cables are suggested.

8K60, 8K30, 4K120: Ultra HDMI2.1 cable, IN/OUT 2 meters.
4K60 4:4:4: HDMI2.0 cable, IN/OUT 3 meters.
4K60 4:2:0, 4K30, 1080P: HDMI cable, IN/OUT 5 meters.

6. IR Remote

IN1/2/3/4 : Press IN1/2/3/4 button to select HDMI signal source INPUT 1/2/3/4 to the OUTPUT port.

: Press this button to circularly switch HDMI signal source INPUT 1/2/3/4 to the OUTPUT port.

7. Application Example