

8K HDMI Splitter

Please read the product manual carefully before using the product.

I. Product overview

8K is the ultra-high-definition video technology that is so far close to the real vision of the human eye, and it is a higher-level specification in the current industry ultra-high-definition television standards. Its core indicator is first of all ultra-high-definition resolution. Each picture has 4320 lines in the vertical direction from top to bottom, and each line has 7680 pixels in the horizontal direction, with a total of 33 million pixels forming a picture. The video resolution of 8K is 4 times that of 4K, which has more than 8 million pixels per picture, and more than 16 times that of 1080P, which has more than 2 million pixels per picture. Because of its ultra-high resolution, 8K video has more delicate and clear pictures and rich and realistic details. In addition to resolution, 8K also has indicators such as wide coloring bit width and high picture frame rate. The 8K distributor can distribute one HDMI signal into multiple synchronous HDMI signal outputs. The external design does not require a driver and is plug-and-play. It can realize 8K ultra-high-definition signal input 5m transmission and output 3m transmission (8K cable is required), and supports the use of stacking and series connection to significantly increase the number of HDMI output ports.

At present, 8K is mainly used in the following industries:

- 1) Healthcare: Combining 8K imaging technology with medical examinations to achieve precision medicine.
- 2) Industrial manufacturing: Combining ultra-high-definition video technology with industrial Internet of Things can achieve fine raw material identification, precise positioning measurement, etc.

3) Education and entertainment: In addition to significantly improving the sense of presence, ultra-high-definition video combined with 5G, VR/AR can bring a more realistic experience.

4) Video surveillance: Ultra-high-definition video technology can make up for environmental defects such as low light, large range, and bad weather, and truly restore the details of each area. range, and bad weather, and truly restore the details of each area.

II. Function parameters

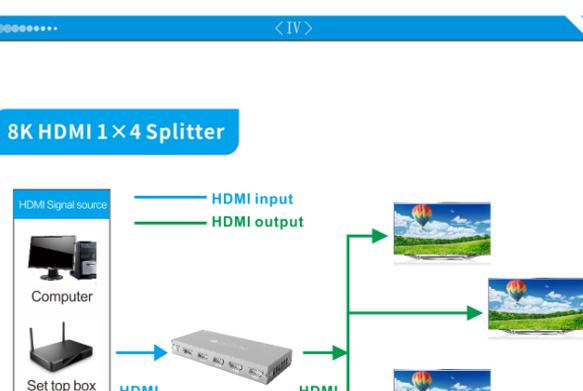
1. HDMI supports 8K@60Hz and HDMI2.1.
2. Complies with HDCP 2.3 specification and supports 48Gbps video bandwidth.
3. Video resolution up to 8K@60Hz 4:2:0 10bit, 8K@30Hz 4:4:4 10bit, 4K@120Hz 4:4:4 10bit.
4. Color space 8/10/12-bit, color depth RGB, YCbCr 4:4:4 / 4:2:2, YUV 4:2:0.
5. Support HDR, HDR10, 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. Intelligent EDID management.

III. Interface description

Interface Type	Applicable Products	Describe
DC power supply (5~12V)	One in and eight out	5~12V power input
HDMI IN	One in and two out, one in and four out, one in and eight out	Signal input interface
HDMI OUT 1	One in and two out, one in and four out, one in and eight out	Signal output interface 1
HDMI OUT 2	One in and two out, one in and four out, one in and eight out	Signal output interface 2
HDMI OUT 3	one in and four out, one in and eight out	Signal output interface 3
HDMI OUT 4	one in and four out, one in and eight out	Signal output interface 4
HDMI OUT 5	One in and eight out	Signal output interface 5
HDMI OUT 6	One in and eight out	Signal output interface 6
HDMI OUT 7	One in and eight out	Signal output interface 7
HDMI OUT 8	One in and eight out	Signal output interface 8

IV. Product connection diagram

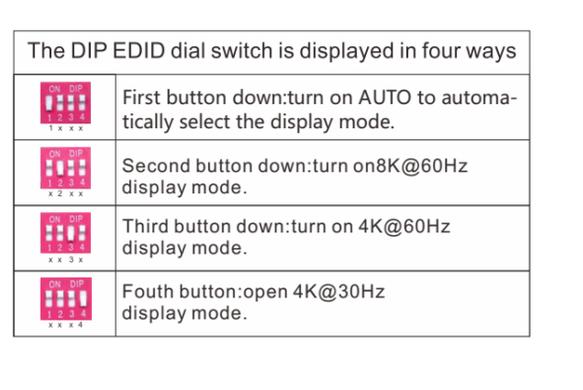
8K HDMI 1x2 Splitter



The DIP EDID dial switch is displayed in four ways

	First button down: turn on AUTO to automatically select the display mode.
	Second button down: turn on 8K@60Hz display mode.
	Third button down: turn on 4K@60Hz display mode.
	Fourth button: open 4K@30Hz display mode.

8K HDMI 1x4 Splitter



The DIP EDID dial switch is displayed in four ways

	First button down: turn on AUTO to automatically select the display mode.
	Second button down: turn on 8K@60Hz display mode.
	Third button down: turn on 4K@60Hz display mode.
	Fourth button: open 4K@30Hz display mode.

V. Product accessories

1. Product 1pcs
2. Power adapter

VII. Product accessories

1. Fault: The distributor has no power response and the indicator light is off.

Troubleshooting: Check whether the input voltage of the power adapter is consistent with the voltage required by the product. You can use a multimeter to measure whether the output voltage of the power adapter is normal. Check whether the power cord is damaged or poorly connected. Replug the power cord to ensure that it is firmly connected.

2. Fault: No signal output from the output port

Troubleshooting: Check whether the signal source device is working properly. You can confirm this by switching the signal source or testing on other devices. Check whether the HDMI cable is damaged, excessively bent, or has poor contact. Replace the cable or re-plug the interface. Check whether the input interface of the distributor is correctly connected to the output interface of the signal source device, and make sure the plug is tightly inserted. If it is a digital signal, try to reconfigure the EDID management and follow the instructions in the product manual.

3. Fault: The output signal quality is poor, resulting in screen flickering, abnormal colors or image distortion.

Troubleshooting: Check the quality of the HDMI cable, use high-quality cables that meet HDMI standards, and avoid using cables that are too long or too old.

Check whether the output settings of the signal source device are correct, such as resolution, refresh rate, etc., and set them to parameters that match the display device. Check whether the distributor is subject to external electromagnetic interference, such as being close to large motors, wireless routers, etc., and adjust the placement of the distributor appropriately to keep it away from interference sources.

4. Fault: Some output ports cannot work properly

Troubleshooting: Check whether the HDMI cable of the corresponding output port is connected correctly to see if it is loose or broken, and re-plug the cable. Try to connect the cable of other normally working output ports to the faulty port to determine whether the problem is with the port itself. If it is determined that the port is damaged, contact after-sales service for repair or replacement.

Product Warranty Card

Customer Information

Model:	
Date of purchase:	
User telephone:	
User address:	
Distributor:	
Agency address:	
User telephone:	Dealer stamp valid

Intenance Records

Repair times	Date	Fault	Treatment measures	Repair work NO.

Electronic products are guaranteed for one year, and other products are guaranteed for two years. Damage caused by human factors or product burnout caused by improper operation is not included in the scope of warranty.