SP-H18C
HDMI Splitter

SEADA

Showing the World

User Manual

VER 1.0

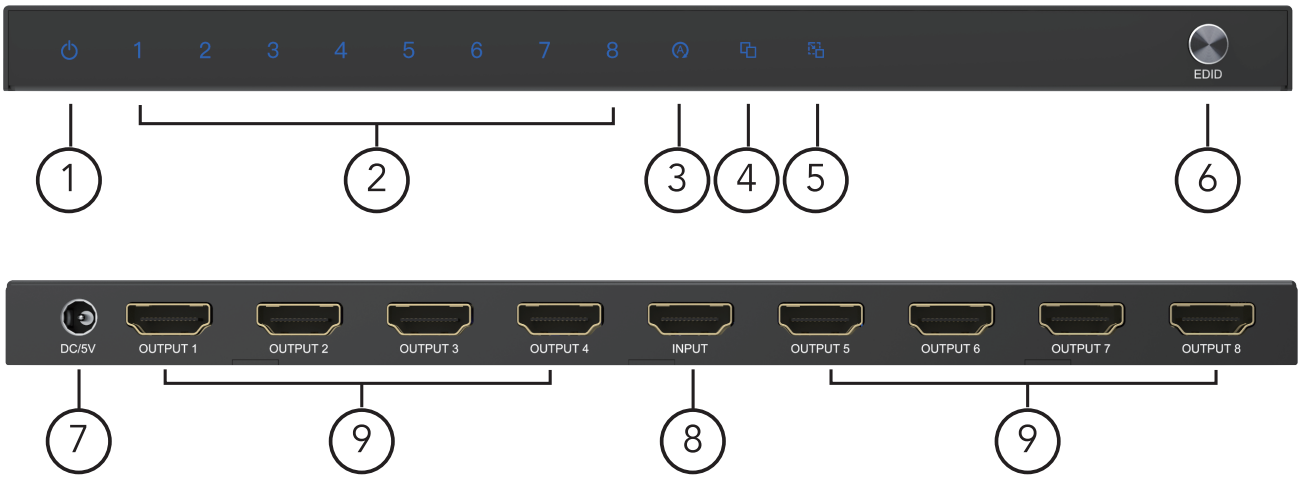
Introduction

The HDMI™ 4K splitter 1x8 lets you share eight HDMI™ displays or projectors with an HDMI-enabled audio / video source device. With support for Ultra HD (4K@60Hz) the HDMI™ splitter ensures astonishing picture quality, four times the resolution of HD 1080p@60 Hz. The 4K splitter is also backward compatible with previous HDMI™ revisions, supporting 1080p / 720p HDMI™ video resolution devices. Even if you don't require 4K video today, the HDMI™ 4K Splitter 1x8 ensures you'll be ready to take advantage of tomorrow's display technology. It features three different EDID modes auto/copy/downscaler for meet needs of different display occasion

Features

- Support three different EDID modes auto/copy/downscaler
  When turn to the auto EDID function, it can get the lower resolution and audio format of the both output for the input device to output the signal to fit both outputs
  When turn to the copy EDID function, it can copy the output1 resolution and audio format for the input device to output the signal, if the other output device supported resolution is lower than the output1 connected device, it will downscaler the resolution and keep the same audio format, HDR format and deep color with the output1, or it will output same signal to both outputs
  When turn to the downscaler function, it can downscale the input 4K resolution to 1080p by the FHD (1080p) displays and 4K resolution to the 4K displays simultaneously.
- Support full 3D video format
- Support high resolution up to 4K@60Hz YUV 4:4:4
- Support HDCP 2.2 and HDCP 1.4
- Support High Dynamic Range (HDR) video
- Support 600MHz/6Gbps per channel (18Gbps all channels) bandwidth
- Support 12bit per channel (36bit all channels) deep color
- Support uncompressed audio such as LPCM
- Support compressed audio such as DTS, Dolby Digital (including DTS-HD Master Audio™ and Dolby TrueHD)

Ports and Interfaces



1. ⏻ : Power LED
2. 1-8: HDMI Output 1-8 LED Indicator
3. Ⓐ : Auto Mode LED Indicator
   ON is In Normal Auto EDID Mode which gets the Lower Resolution and Audio Format of the Both Output for the Input Device to Output the Signal to Fit Both Outputs
4. ⧉ : Copy Mode LED Indicator
   ON is In Copy EDID Mode which copy the Output1 Resolution and Audio Format for the Input Device to Output the Signal
5. ⧉ : Downscaler Mode LED Indicator
   ON is In Downscaler EDID Mode which can downscale the Input 4K Resolution to 1080p by the FHD (1080p) Display and 4K Resolution to the 4K Displays Simultaneously.
6. EDID: Three EDID select button for downscaler, auto and copy
7. DC/5V: DC 5V Input
8. INPUT: HDMI Input port
9. OUTPUT 1-8: HDMI Output 1-8 port

What’s included



Main Unit



5V 2A DC Power Adapter

Connection Diagram



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Specification

Input Ports	HDMI x 1
Output Ports	HDMI x 8
Vertical Frequency Range	50/60Hz
Video Amplifier Bandwidth	6.0Gbps/600MHz per channel(18Gbps all channels)
Interlaced(50&60Hz)	480i,576i,1080i
Progressive(50&60Hz)	480p,576p,720p,1080p,4K@24/30Hz,4K@50/60Hz
Limited Warranty	1 Year Parts and Labor
Operating Temperature	0℃ to 70℃
Storage Humidity	5% to 90% RH non-condensation
Power Supply	DC 5V@2A Power Adapter
Power Consumption (Max)	10W
Splitter Unit Cert	FCC, CE, RoHS
Power Supply Cert	FCC, CE, RoHS
Power Adapter Standard	US, EU, UK, AU Standard etc.
Dimension(LxWxH)	222*83*14.5mm
Net Weight	387g
Material	Metal
User Manual	English Version

Note: Specifications are subject to change without notice.

Troubleshooting

Problems	Causes	Solutions
Power light is off and product is not working	Is the USB power cable properly connected and the power on/off button is on	Please check if the power adapter is connected properly and switch on the power on/off button
Screen splash	HDMI cable may not be HDMI 2.0 specification or the cable is too long	Please use the standard HDMI 2.0 cable, the input/output cable length does not exceed 5M 4K/60Hz 4:4:4, 4K@30Hz/1080p can reach 10M to 10M
No picture out only sound out or output pink screen	Maybe the displays can't support the resolution or the HDCP	Change a lower resolution of the input HDMI signal to check whether this issue or not; if not, maybe the customer should change a non-HDCP input source or HDCP compliant displays or devices
No picture out to a FHD TV when connecting a 4K@60Hz source, and have normal picture to the 4K HDR supported TV at the same time	Maybe the downscaler function can`t support the input signal, such as 4K@60Hz 4:2:2 HDR signal(Dolby Vision) or when connect one FHD TV with a fixed 4K@60Hz output device	The downscaler function only support the 4K@60Hz 4:4:4 and 4:2:0(HDR 10) signal downscaler to 1080p signal, or there will not have picture output to the FHD TV, the customer need change a supported downscaler signal input.

HIGH-DEFINITION MULTIMEDIA INTERFACE

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