



VLSP-12H20

1x2 HDMI 2.0 Splitter 18Gbps



User Manual

VER 2.0

Thank you for purchasing this product

Please read these instructions carefully for optimum performance and safety before connecting, operating, or adjusting this product. Please keep this manual for future reference.

A surge protection device is recommended.

This product contains sensitive electrical components that electrical spikes may damage, surges, electric shaking, lightning strikes, etc. The use of surge protection systems is highly recommended to protect and extend the life of your equipment.

Table of Contents

1. Introduction.	1
2. Features.	1
3. Package Contents.	1
4. Specifications.	2
5. Operation Controls and Functions.	3
6. Application Example.	4

1. Introduction

1x2 HDMI 18Gbps Splitter is an advanced solution for synchronizing HDMI content to 2 HDMI outputs. It provides high-performance audio and video up to 4K2K@60Hz (4:4:4) and can receive, retiming, and transmit up to 18Gbps of bandwidth with no data loss.

2. Features

- ☆ HDMI 2.0b, HDCP 2.2 compliant
- ☆ Up to 4K2K@60Hz with 24bit RGB/YCbCr 4:4:4
- ☆ VESA format up to QSXGA@60Hz
- ☆ Supports LPCM 7.1CH, Dolby TrueHD, and DTS-HD Master Audio
- ☆ Built-in equalizer, retiming, and driver
- ☆ Smart EDID, STD (1080p) mode and TV (copy OUT1) mode
- ☆ Compact design for an easy and flexible installation

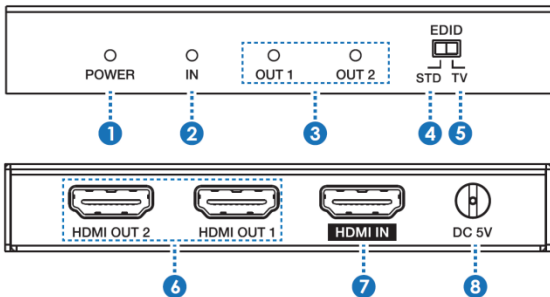
3. Package Contents

- ① 1× 1x2 HDMI 18Gbps Splitter
- ② 1× 5V/1A Power Adapter
- ③ 1× User Manual

4. Specifications

Technical	
Video Bandwidth	600MHz/18Gbps
Input Port	1×HDMI Type A (19-pin female)
Output Ports	2×HDMI Type A (19-pin female)
Video Resolution	4K2K@24/25/30/60Hz
ESD Protection	Human body model—±8kV (Air-gap discharge) &±4kV (Contact discharge)
Mechanical	
Chassis Material	Metal
Silkscreen Color	Black
Power Consumption	2W
Weight	165g
Power Supply	Input: AC100 - 240V 50/60Hz, Output: DC 5V/1A (US/EU standards, CE/FCC/UL certified)
Dimensions	56 mm(W)×100 mm(D)×16mm(H)
Operating 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



No.	Name	Function Description
1	Power LED	This blue LED illuminates when the device is connected to the power supply.
2	IN LED	This blue LED illuminates when the Source is connected to the device.
3	OUT LED	These blue LEDs indicate which HDMI output port is connected to an active TV/ display/monitor.
4	EDID STD	When in 'STD' mode, the unit will use its built-in EDID settings. In this mode, the video output will be sent to 1080p@60Hz, and the audio output at LPCM 2CH Stereo.
5	EDID TV	When in 'TV' mode (COPY OUT1), INPUT EDID is set to COPY OUT1, the unit supports the Downscaler function: If the HDMI OUT1 port is connected with 1080P TV, all output is bypassed; If the HDMI OUT1 port is associated with a 4K TV, 4K output is bypassed, and 1080P output will be Downscaled.

6	HDMI OUT 1~2	Connect each HDMI output to an HDMI display for simultaneous distribution, or cascade the production to another splitter to extend the operating distance.
7	HDMI IN	Connect the input port to the HDMI output of your source devices, such as a DVD player or set-top box with an HDMI cable.
8	DC 5V	Plug the 5V DC power supply into the unit and connect the adaptor to an AC outlet.

6. Application Example

