



## VLSP-18H20

1x8 HDMI 2.0 Splitter 18Gbps



**User Manual**

**VER 1.0**

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 shocks, lightning strikes, etc. The use of surge protection systems are highly recommended to protect and extend the life of your equipment.

**Table of Contents**

<b>1. Introduction .....</b>	<b>2</b>
<b>2. Features .....</b>	<b>3</b>
<b>3. Package Contents .....</b>	<b>3</b>
<b>4. Specifications .....</b>	<b>3</b>
<b>5. Operation Controls and Functions .....</b>	<b>4</b>
<b>6. Application Example.....</b>	<b>6</b>
<b>7. FAQ .....</b>	<b>7</b>

**1. Introduction**

18Gbps 1x8 HDMI Splitter is an advanced solution for synchronizing a single HDMI signal to 8 HDMI outputs. It supports up to 18Gbps bandwidth, HDMI 2.0b/HDCP 2.2 content up to 4K@60Hz 4:4:4. It can be set as the COPY/AUTO EDID configuration. Supporting the latest features, you can be assured of reliable and high-quality HDMI distribution.

## 2. Features

- HDMI 2.0b, HDCP 2.2 compliant
- Supports 18Gbps bandwidth
- Supports resolution up to 4K@60Hz 4:4:4
- Supports HDR function
- Supports COPY/AUTO EDID control via dialing the dip switch
- Compact design for easy and flexible installation

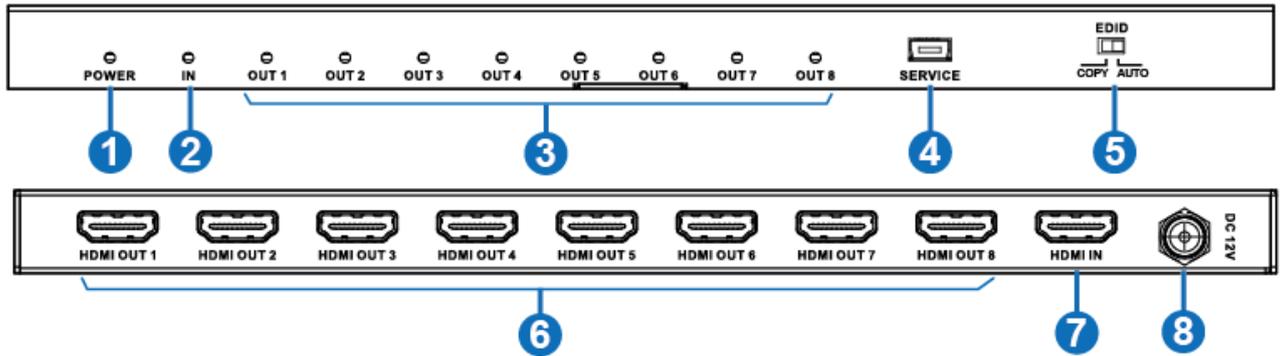
## 3. Package Contents

- 1× 18Gbps 1×8 HDMI Splitter
- 1× 12V/1A DC Locking Power Adapter
- 1× User Manual

## 4. Specifications

<b>Technical</b>	
HDMI Compliance	HDMI 2.0b
HDCP Compliance	HDCP 2.2
Video Bandwidth	594MHz/18Gbps
Video Resolution	480i ~1080p50/60Hz, 4Kx2K@24/30Hz, 4k2k@60Hz
HDMI Audio Formats	PCM 2CH, LPCM 7.1/5.1CH, Dolby Digital, DTS 5.1, Dolby Digital+, Dolby TrueHD, DTS-HD Master Audio, Dolby Atmos and DTS:X
ESD Protection	Human body model—±8kV (Air-gap discharge) & ±4kV (Contact discharge)
<b>Connections</b>	
Input Ports	1×HDMI Type A (19-pin female) 1×SERVICE (Micro USB, Update port)
Output Ports	8×HDMI Type A (19-pin female) □
<b>Mechanical</b>	
Housing	Metal Enclosure
Silkscreen Color	Black
Dimensions	243mm (W) × 102mm (D) × 16mm (H)
Weight	572g
Power Supply	Input: AC100 - 240V 50/60Hz, Output: DC 12V/1A (US/EU standards, CE/FCC/UL certified)
Power Consumption	6.15W
Operation Temperature	-10°C ~ 50°C / 14°F ~ 122°F
Storage Temperature	-20°C ~ 60°C / -4°F ~ 140°F
Relative Humidity	20~90% RH (non-condensing)

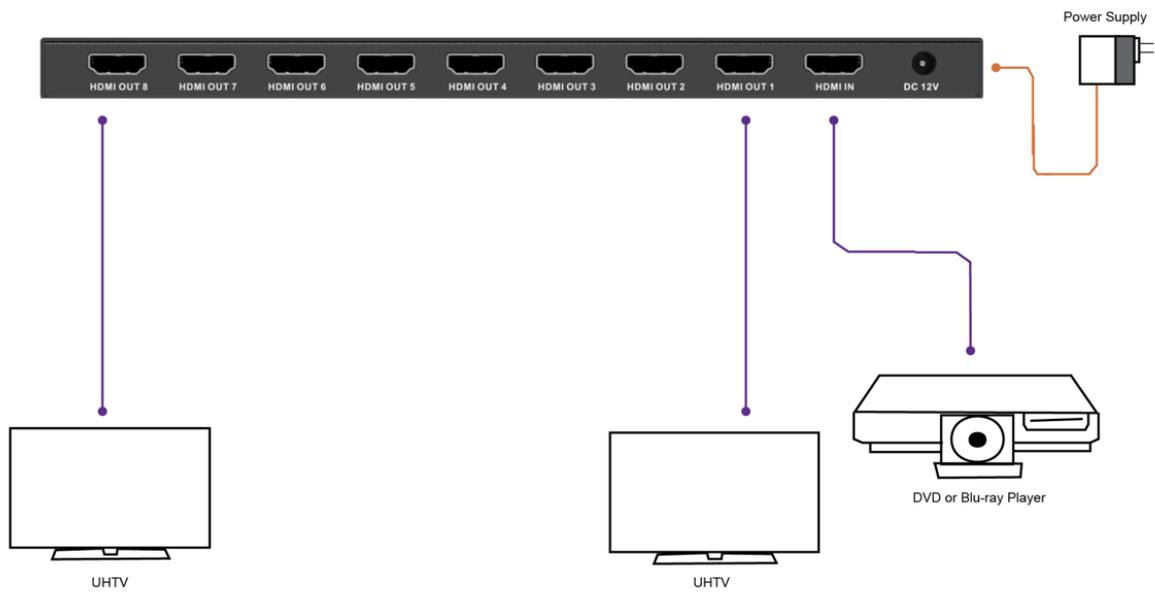
## 5. Operation Controls and Functions



Number	Name	Function description
1	POWER LED	This blue LED will illuminate when the device connects power supply.
2	IN LED	This blue LED will illuminate when HDMI IN port To connects an active source device.
3	OUT LED	These blue LEDs illuminate when HDMI OUT ports connect to an active display device.
4	SERVICE	Firmware update use only.
5	EDID COPY	When the dial switch is dialed the ‘ COPY’ position, the unit will read the EDID setting of the HDMI OUT 1 display device to source device, the source the device will send again matching the OUT 1 display device signal to all HDMI outputs. If no HDMI OUT 1 capable EDID is detected, then the unit will read the EDID setting of the HDMI OUT 2 display devices to source devices...etc. The priority order is OUT 1 to OUT 8.
	EDID AUTO	When the dial switch is dialed to the ‘ AUTO’ position, the unit will compare the EDID setting of the HDMI OUT 1~8 port displays device then send the best EDID signal to the source device, the source device will send again matching the display device movement to all outputs.
6	HDMI OUT 1~8	Connect to the HDMI display devices such as

		TVs or Monitors with an HDMI cable.
7	HDMI IN	Connect to the HDMI source device such as DVD player or set-top box with an HDMI cable.
8	DC 12V	Plug the DC 12V power supply into the unit and connect the adaptor to an AC outlet.

## 6. Application Example



## 7. FAQ

### **1. Q: Where is this product usually used?**

A: It can be used in many places such as Entertainment Room / Home Theater / Lecture Room / Hall Presentation / Show Room / Demo Room / Public Commercial Display etc.

### **2. Q: Which input source and output devices can this product connect to?**

A: Input source devices such as Blu-ray / DVD / PS3 / PS4 player or Set-Top-Box or any 6G with HDCP2.2 source etc. Output with 6G HDMI TV / Display or audio amplifier etc.

Note: To achieve 6G performance will need to collocation with a particular HDMI cable to get the better quality.

### **3. Q: Does this product require an HDMI line length for the connection interface?**

A: According to the HDMI line length test, 4K2K@60Hz / 8-bit YUV 4:4:4 is the Most extended line lengths up to 3m, 4K2K@30Hz / 8-bit is the most extended line length up to 10m, 1080p@60Hz / 8-bit is the most extended line length up to 15m.

The use of a “ Premium High-Speed HDMI” cable is highly recommended.