VigilLink

VLSP-14H20

1x4 HDMI 2.0 Splitter 18Gbps

User Manual

VER 1.3

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 is highly recommended to protect and extend the life of your equipment.

Table of Contents

1. Introduction

This 1x4 HDMI 18Gbps Splitter is an advanced solution for splitting a single HDMI signal into 4 HDMI displays. It provides high-performance audio and video output through HDMI cables up to 4K2K@60Hz 4:4:4 and can receive and transmit up to 18Gbps of bandwidth with no data loss. (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 video format up to 4K2K@60Hz with 8-bit RGB/YCbCr 4:4:4/YCBCR 4:2:2
◇ Support 3D frame sequential video format up to 1080p@60
◇ Supports 3D frame sequential video format up to 4K2K@30Hz
◇ Supports high-resolution VESA mode video format up to QSXGA@60Hz
◇ Supports LPCM 7.1CH, Dolby TrueHD, and DTS-HD Master Audio
◇ Supports smart EDID control
◇ Compact design for an easy and flexible installation

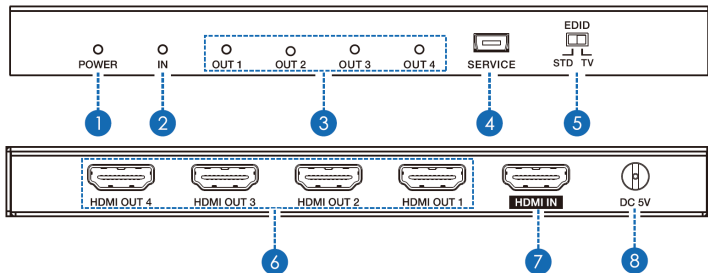# 3. Package Contents

① 1 × 1×4 HDMI 18Gbps Splitter
② 1 × 5V/1A DC Power Adapter
③ 1 × User Manual

4. Specifications

Technical	
Video Bandwidth	600MHz/18Gbps
Input Ports	1×HDMI Type A[19-pin female]
Output Ports	4×HDMI Type A[19-pin female]
Output Resolution	480i ~1080p50/60, 4Kx2K@24/30, 4k2k@60Hz
ESD Protection	v
Power Supply	5V/1A DC (US/EU standards, CE/FCC/UL certified)
Dimensions	63mm (W) × 163mm (D) × 16mm (H)
Weight	260g
Chassis Material	Metal
Silkscreen Color	Black
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) Snippet_31864EE8C.idms
Power Consumption	2W

5. Operation Controls and Functions

No.	Name	Function Description
1	POWER LED	This blue LED illuminates when the device is conncted 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 will indicate which HDMI outputs are connected to an active TV/ display/monitor.
4	SERVICE	Firmware update use only.
5	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. Use this mode if there are display problems in TV Mode.
5	EDID TV	When in 'TV' mode, the unit will read the EDID settings of the display device connected to HDMI OUT 1. If it detects a 4K2K capable EDID setting, it will transmit the signal in that format to all outputs. If no 4K2K capable EDID is detected, the unit will output the best resolution that all displays can support.
6	HDMI OUT 1~4	Connect each HDMI output to an HDMI display for simultaneous HDMI distribution or cascade the production to another transmitter to extend the operating distance.
7	HDMI IN	Connect the input port to the HDMI splitter 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

HDMI OUT 4   HDMI OUT 3   HDMI OUT 2   HDMI OUT 1   HDMI IN   DC 5V

Power Supply

UHDTV   UHDTV   UHDTV   UHDTV   DVD or Blu-ray Player