



VLUSBCHUB3-MST

**4K USB-C Docking w/ Dual HDMI
Outputs MST/SST & Charging**



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Version: VLUSBCHUB3-MST_V1.0

Preface

Read this user manual carefully before using the product. Pictures shown in this manual are for reference only. Different models and specifications are subject to real product.

This manual is only for operation instruction, please contact the local distributor for maintenance assistance. The functions described in this version were updated till July, 2026. In the constant effort to improve the product, we reserve the right to make functions or parameters changes without notice or obligation. Please refer to the dealers for the latest details.

FCC Statement

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. It has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a commercial installation.

Operation of this equipment in a residential area is likely to cause interference, in which case the user at their own expense will be required to take whatever measures may be necessary to correct the interference.

Any changes or modifications not expressly approved by the manufacture would void the user's authority to operate the equipment.



SAFETY PRECAUTIONS

To ensure the best from the product, please read all instructions carefully before using the device. Save this manual for further reference.

- Unpack the equipment carefully and save the original box and packing material for possible future shipment.
- Follow basic safety precautions to reduce the risk of fire, electrical shock and injury to persons.
- Do not dismantle the housing or modify the module. It may result in electrical shock or burn.
- Using supplies or parts not meeting the products' specifications may cause damage, deterioration or malfunction.
- Refer all servicing to qualified service personnel.
- To prevent fire or shock hazard, do not expose the unit to rain, moisture or install this product near water.
- Do not put any heavy items on the extension cable in case of extrusion.

- Do not remove the housing of the device as opening or removing housing may expose you to dangerous voltage or other hazards.
- Install the device in a place with fine ventilation to avoid damage caused by overheat.
- Keep the module away from liquids.
- Spillage into the housing may result in fire, electrical shock, or equipment damage. If an object or liquid falls or spills on to the housing, unplug the module immediately.
- Do not twist or pull by force ends of the optical cable. It can cause malfunction.
- Do not use liquid or aerosol cleaners to clean this unit. Always unplug the power to the device before cleaning.
- Unplug the power cord when left unused for a long period of time.
- Information on disposal for scrapped devices: do not burn or mix with general household waste, please treat them as normal electrical wastes

1. Product Introduction

VLUSBCHUB3-MST is a USB-C in to dual HDMI out docking, can output max 4K60 4:4:4 video, supports MST and SST mode on both HDMI outputs. It provides 2 USB-A and 1 USB-C devices for input, both support 5 Gbps bandwidth, provide a high speed of data transmitting. Meanwhile we design two power mode for a advanced USB device power management.

VLUSBCHUB3-MST support easy EDID management for a better compatibility of source and sink. When connect RJ45 port to internet and connect PSU to POWER port, VLUSBCHUB3-MST can provide internet and power charging for Input.

1.1 Features

- One USB-C to Dual HDMI out, supports output 4K60Hz 4:4:4 on 2 HDMI outputs
- Support both MST and SST
- USB device power management
- 5Gbps USB device bandwidth
- EDID management
- PD charging (Max 100W)
- Ethernet for Input USB-C
- Integrated Mounting ear

1.2 Package List

- 1x VLUSBHUB3-MST
- 1x 100W USB-C PSU
- 1x EU Power Cable
- 1x PSU Bracket mount
- 4x Adhesive Cable Fixers
- 1x User Manual & Safety Instruction

Note: Please contact your distributor immediately if any damage or defect in the components is found.

2. Specification

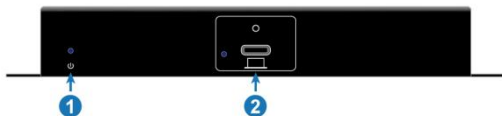
Input	
Input	1 x USB-C
Resolution	4K60 4:4:4
Output	
Output	2 x HDMI
Resolution	HDMI2.0 4K60 4:4:4
Control	
Control port	1 x EDID. 1x HDCP
Control Connector	1 x 2 pin Dip switch
USB devices	
Ports	2 x USB-A, 1 x USB-C
Bandwidth	5Gbps

General	
Operation Temperature	-10 ~ +55°C
Storage Temperature	-25 ~ +70°C
Relative Humidity	30% - 85%
Power Consumption	98W Max (Full load with charging) 0.66W max (Without load)
Dimension (W*H*D)	135mm x 22mm x 70mm

Note: Please adopt high-qualified HDMI cable fully compliant with HDMI 2.1 for reliable transmission and connection.

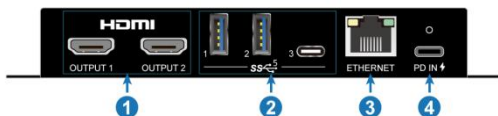
3. Panel Description

3.1 Front Panel



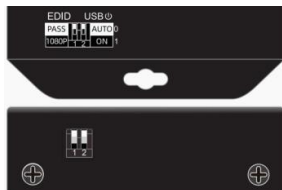
- ① **Power indicator:** 1x Blue indicator, when power on, the indicator will illuminate blue, otherwise will light off.
- ② **INPUT :** 1x USB-C input port to connect with your PC.
- ③ **Input indicator :** 1x Blue indicator, when input signal detected, the indicator will illuminate blue, otherwise it will light off.

3.2 Rear Panel



- ① **HDMI OUT 1/2:** 2x HDMI 2.0 ports, support max 4K60p 4:4:4 video output.
- ② **USB device:** 2x USB-A and 1x USB-C device port, support max 5Gbps bandwidth, total share 3A current.
- ③ **Ethernet:** 1x RJ45 port support to provide internet for Input when connect with router.
- ④ **PD IN:** 1x USB-C Port with locking screw to connect with PD PSU, support to charge Input USB-C source.

3.3 3.3 Left Panel



- ① **2 Pin DIP Switcher:** For EDID and USB Power management.

4. EDID and Device Power management

4.1 EDID management

EDID Switch Status	Video Resolution
PASS	Bypass
1080P	Force output 1080p LPCM

4.2 Device Power management

3 Device port share max 3A power and support to set device power mode via DIP switcher.

USB Power Switch Status	USB power mode
AUTO	Device port power to follow input.
ON	Device port power always on.

2-PIN DIP Switch: 00 (Default)

5. System Diagram

