

User Manual

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PROFESSIONAL AV SOLUTIONS

VLHUB21

USB-C + HDMI HUB for Meeting Rooms



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Version: VLHUB21_2026 V1.0

1. Product Introduction

VLHUB21 is designed to be attached under the meeting desk and support all connections for a conference room. Simply connect a USB-C cable to your laptop, and the laptop will be charged. A HDMI input will offer with a switchable input. Connection gives full access to the USB devices in the room and delivers 4K video plus sound via the HDMI output. The LAN port gives cabled network connection to the laptop.

1.1 Features

- 2 Inputs, USB-C and HDMI, USB-C input supports max 100W power delivery.
- Supports HDMI2.0, 4K@60Hz 4:4:4.
- Supports USB3.2 Gen 2 data transfer via USB-C.
- 4 USB3.2 Gen 1 KVM for camera, keyboard and mouse.
- Supports USB power management.
- EDID management.
- Ethernet Gigabit LAN.
- Plug and Play.

1.2 Package List

- 1x VLHUB21
- 1x 100W USB-C PSU with locking screw
- 1x EU Power Cable
- 1x PSU Bracket mount
- 4x Adhesive Cable Fixers
- 1x User Manual
- 1x Safety instructions

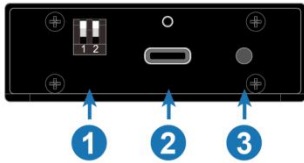
Note: Please contact your distributor immediately if any damage or defect in the components is found.

2. Specification

Video Input	
Input	(1) USB-C; (1)HDMI
Input Resolution	Up to 4K@60Hz 4:4:4
USB Standard	USB3.2 Gen2, 10Gbps
Video Output	
Output	(1) HDMI
HDMI Output Resolution	Up to 4K@60Hz 4:4:4
HDMI Standard	2.0
USB	
Connector	(1) USB-C, (3) USB-A
USB Standard	(1) USB-C: USB3.2 Gen 1, 5Gbps (3) USB-A: USB3.2 Gen 1, 5Gbps
Ethernet	
Standard	10/100/1000Base-T
General	
Operation Temperature	-10 ~ +55°C
Storage Temperature	-25 ~ +70°C
Relative Humidity	10% - 90%
Power Supply	20V5A USB-C PSU
Dimension (W*H*D)	188mm x 60.1mm x 19.5mm
Net Weight	180g

3. Panel Description

3.1 Right Side Panel



① 2-pin DIP Switcher

EDID: Switching between Bypass or Force 1080p

USB POWER Management:

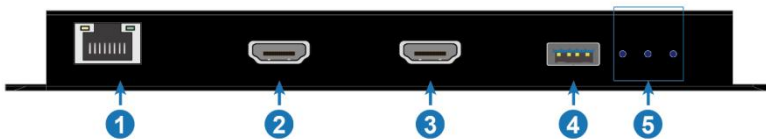
ON (Default): USB device ports output power all the time.

AUTO: Follow Host, USB device ports will only output power when a host is active connected.

② **USB-C IN:** 1x Host USB3.2 Gen2 10 Gbit connector for PC connection.

③ **Select Button:** To select inputs between USB-C in or HDMI in.

3.2 Front Panel



① **ETHERNET:** 1x RJ45 port, connect to Ethernet.

② **HDMI OUT:** 1x HDMI output 4K@60Hz resolution, connect to HDMI display.

③ **HDMI IN:** 1x HDMI input 4K@60Hz resolution, connect to HDMI source.

④ **USB-A:** 1x USB-A USB3.2 Gen1, the host bond with HDMI for data transmit.

⑤ **LEDs:** 3x Leds indicator switching status, switch among Auto- input 1-input 2.

3.3 Rear Panel



- ① **USB-C Charging:** 1x USB-C to connect with DC20V 5A PSU.
- ② **USB DEVICES:** 1x USB-C and 2x USB-A USB3.2 Gen1 for device connection.

4. Select Button Control

4.1 Manual Switching: When the VLHUB21 is in the manual switching mode, press the SELECT button repeatedly to cycle through the two inputs, and the corresponding source LED illuminates BLUE immediately.

4.2 Automatic Switching: Press and hold the SELECT button for at least 3seconds to enable automatic switching. When in the AUTO mode, the unit will switch according to the following rules:

- New input: Once detecting a new input, the unit will automatically select the new input.
- Pressing the SELECT button will forcibly change the input even in AUTO mode.
- Reboot: Once power is restored to the unit, it will automatically reconnect the input that was active before the reboot.
- Source removed: When an active input is removed, the VLHUB21 will switch to the other active host.
- Press and hold the SELECT button for at least three seconds and the unit will exit AUTO mode and the input will not change.

5. System Diagram

