

2x1 HDMI & USB-C Huddle Room Switcher with USB 3.2 KVM

4K60 4:4:4, 100W USB-C PD, Balanced Audio I/O, Dual 1G Ethernet with 802.1x — Designed for Corporate BYOD Rooms

MPN: COL-HUD-21



The COL-HUD-21 eliminates the multi-adapter problem in corporate huddle rooms by combining HDMI and USB-C source switching, USB 3.2 Gen 1 KVM, and 100W laptop charging into a single compact unit. With 4K60 4:4:4 output, balanced analog audio I/O, and dual 1G Ethernet ports with 802.1x/VLAN support, it delivers enterprise-grade BYOD connectivity that IT departments can spec with confidence.

Designed for Teams and Zoom environments, the COL-HUD-21 routes video, USB peripherals, and network access from any connected laptop through one HDMI cable to the room display — no docking stations, no adapters, no IT headaches. Auto and manual switching, CEC/IR/RS-232/GPIO display control, and a Web GUI make it simple to install, manage, and integrate into any control system.

<p>4K60 4:4:4 HDMI 2.0b / DP 1.4a</p>	<p>100W USB-C PD DP Alt Mode</p>	<p>USB 3.2 KVM 5Gbps Host Hub</p>	<p>802.1x VLAN Dual 1G Ethernet</p>	<p>Balanced Audio I/O Phoenix</p>	<p>CE / FCC / UL Certified</p>
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KEY FEATURES

- HDCP 2.3 and DP 1.4a compliant
- 2x1 switcher — USB-C and HDMI inputs, HDMI output
- USB-C input with DP Alt mode 4K60 4:4:4, USB 3.2 Gen 1 (5Gbps), 1G Ethernet, 100W charging
- HDMI 2.0b input up to 4K60 4:4:4
- Auto and manual switching with signal detection and 5V detection
- USB 3.2 Gen 1 (5Gbps) host and local hub; USB device ports with 5V/1.5A output
- Balanced/unbalanced analog audio embedding and de-embedding
- Dual 1G Ethernet with 802.1x and VLAN support
- IR eye for IR learning; auto display on/off via CEC/IR/RS-232
- GPIO, RS-232, TCP/IP, Web GUI, and API control
- 5 preset scenes; internal pattern generator (12 patterns, up to 4K60)
- HDR, HDR10, HDR10+, Dolby Vision, HLG; Dolby Atmos, DTS-HD pass-through

SPECIFICATIONS

HDMI	HDMI 2.0b, HDCP 2.3, 18Gbps, 4K60 4:4:4
USB-C	DP 1.4a Alt mode, USB 3.2 Gen 1, 1G Ethernet, 100W PD
HDR	HDR, HDR10, HDR10+, Dolby Vision, HLG
Audio (Digital)	LPCM, Dolby Digital/Plus/EX, Dolby TrueHD/Atmos, DTS-HD Master Audio, DSD
Audio (Analog)	Balanced/unbalanced I/O, 5-pin 3.5mm phoenix, >90dB S/N
Control	RS-232, TCP/IP (port 8000), CEC, IR, GPIO, Web GUI
Network	Dual 1G RJ45, 802.1x, VLAN; Separated or Switch mode
Dimensions	9.06" × 5.12" × 0.91" (230 × 130 × 23mm)
Weight	1.75 lbs (0.796kg)
Power	DC 24V/7.5A; 37W idle / 145W with 100W USB-C charging
Certifications	CE, FCC, UL

PACKAGE CONTENTS

- 1x Switcher • 1x 24V/7.5A Power Supply • 1x IR Blaster Cable (1.5m) • Phoenix Connectors (3-pin, 2x 5-pin, 6-pin) • Mounting Ears • Rubber Feet • User Manual

