

VC-31

3 IN 1 BYOM SWITCHER



Overview

VC-31 is a 3-in-1 switcher that automatically switches audio, video and USB between HDMI, USB-C and Wireless Connections. One device accommodate different USB interfaces - Offering a wired connections for high quality, reliable video conferencing or wireless options for a convenient, cable free BYOM experience.

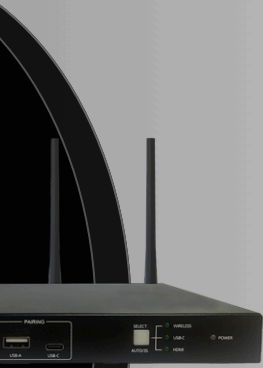
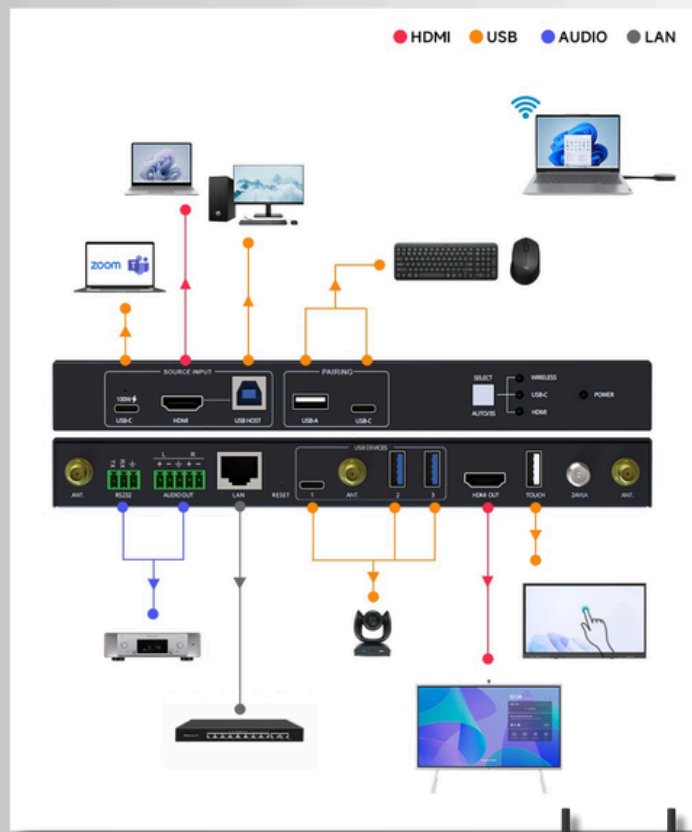


KEY BENEFITS

- Enable wireless sharing from Airplay, Miracast, Chromecast App and 4k Dongle.
- Enable AV and USB auto switching between HDMI, USB-C and Wireless Connected sources.
- Enable wired BYOM with HDMI and USB Connection, getting 4K@60 AV, USB 3.0 Devices and 1G Network.
- Enable wired BYOM with single USB-C connection, getting 4k@60 AV, 100W Power Charging, USB 3.0 Devices and 1G Network.
- Enable touch back control with both wired and wireless connected PC.



System Diagram



Technical Specifications

Part Number	VC-31
Video	
Video Input	(1)HDMI 2.0b, (1) USB-C 2 Lane DisplayPort Alt Mode, DisplayPort 1.4a, (1) Wireless
Input Connector	(1) Type-A Female HDMI, (1) USB Type-C
HDMI Input Resolution	Upto 4k@60Hz 4:4:4
USB Type-C Input Resolution	UpTo 4k@60Hz 4:4:4
Video Output	(1) HDMI 2.0B
HDMI Output Resolution	Upto 4k@60Hz 4:4:4
HDCP Version	HDCP 2.x/1.x
Airplay Resolution	Upto 4k@30Hz
Miracast Resolution	Upto 4k@30Hz
WirelessMedia App Resolution	Upto 4k@30Hz
WirelessMedia Dongles DG-C28/DG-H28 Resolution	Upto 4k@30Hz
Audio	
HDMI Embedded Audio Format	PCM 2CH
Audio Output Connector	(1)5-pin Terminal Block. Balanced Line Audio Output
Frequency Response	-0.02~+0.08 dB(20Hz~20KHz)
Max Output Level	±0.9V
THD+N	-85dB
SNR	106dB
Crosstalk Isolation	100dB
L-R Level Deviation	0dB
Output Load Capability	2K Ω
USB Standard	
USB Host	(1)USB-C: USB 3.2 Gen 1, (1) USB-B: USB 3.2 Gen1
USB Devices	(2)USB-A: USB 3.2 Gen 1, (1) USB-C: USB 3.2 Gen 1, (1) USB 2.0
USB Devices Power	5V@4A (20W) Shared
Control	
Control ports	(1)RS232, (1) TCP/IP
RS232	(1)3 pin Phoenix Connector TX-RX-GND BAUD 2400-115200
TCP/IP	(1)RJ45 port, 10/100/1000Base-T Auto Negotiation.

Network	
LAN	(1)RJ45 port, 10/100/1000Base-T auto Negotiation
WiFi Standards	IEEE 802.11a/b/g/n/ac
WiFi Frequency Bands	2.4 GHz / 5 GHz
WiFi Antennas	(3) Antennas, MIMO 2x2 and MIMO 1x1
WiFi Encryption	AES, WPA, WPA2, PSK
Security	IEEE 802.1x, HTTPS, TLS, PEAPITLS
General	
Operation Temperature	0-40°C
Storage Temperature	-20°C~ 60°C
External Power Supply	24V16A
Max Power Consumption	130W (Fully loaded)
Power Consumption Standby	5.95W
USB-C Power Charging	100W PD3.0

