

VEO-SWC45

SWITCHERS

4K Professional Presentation and Conferencing Switcher



PRODUCT OVERVIEW

VEO-SWC45 is a professional 4K video conferencing and presentation switcher designed for hybrid -wired and wireless- connectivity. It features two HDMI® outputs, advanced display management and USB ports for integrating video conferencing systems with intelligent camera switching. It supports wireless presentation via Chromecast, Miracast, Airplay, the VEOShare application and 4K accessories such as VEO-SWC45TH and VEO-SWC45TU for HDMI® and USB-C connections. The main HDMI® output supports up to 4K/60Hz and features a balanced stereo audio extractor with Euroblock connector. It includes a built-in Web GUI interface for configuration and control, plus GPI, RS-232 and TCP/IP via two RJ-45 ports with independent LAN connections. It allows up to five devices to be displayed simultaneously in multi-view format and supports up to 15 additional participants. With HDCP 2.2 and PoE+ support, the VEO-SWC45 delivers a powerful, scalable solution for modern presentation and conferencing needs.

KEY FEATURES

- BYOM presentation switcher with wireless multi-format connectivity.
- Support for HDMI®. 18Gbps 4K UHD 60Hz 4:4:4 video output as specified in HDMI® 2.0b.
- Support for standard wireless mirroring protocols like Airplay, Chromecast, Miracast, and VEOShare application for a Full HD video content sharing.
- Plug-and-play VEO-SWC45TH and VEO-SWC45TU HDMI® and USB-C wireless transmitters for up to 4K UHD video content sharing, including customizable auxiliary function buttons.
- Support for up to two USB video conferencing cameras with smart switching feature between local and wireless host devices via USB Type-A and Type-C connectors.
- Support for interactive touchback function on both wired and wireless connections for interactive screens, whiteboards, and live annotation tools.
- Dual HDMI® video outputs with dedicated screen management for mirrored screen sharing or assigning local and remote video conference participants.
- Support for up to 5 simultaneous split-screen presentations and up to 15 participants on hold.
- Support for main screen content sharing to other user's local displays.
- Customizable background and font colour for the home screen page.
- Dual RJ-45 ports for independent network connections with extra security layers for an encrypted wireless transmission.
- Stereo analogue audio extraction via a balanced Euroblock connector.
- HDCP 2.2 compliant.
- Control options include front panel buttons, GPI, RS-232, TCP/IP Remote Control, and WebGUI.
- Support for PoE+ function.

APPLICATIONS

- Education
- Corporate
- Hospitality

OPTIONAL ACCESSORIES

- VEO-SWC45TH



- VEO-SWC45TU



TECHNICAL SPECIFICATIONS

VEO-SWC45

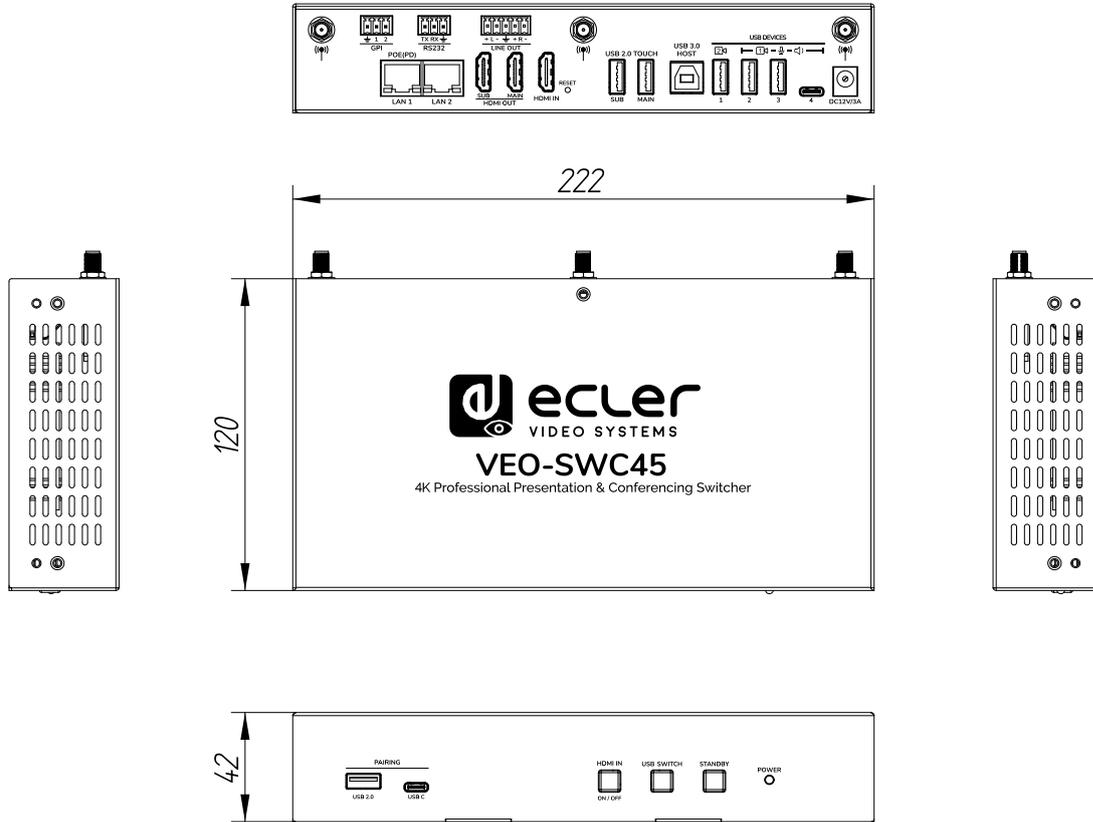
Video Performances	
Video Input Connectors	2 x USB 3.0, 1 x USB-C, 1 x USB 2.0 (UVC)
Video Output connectors	1 x HDMI® Type A Female, 10.2Gbps 1 x HDMI® Type A Female, 1.4, 10.2Gbps (SUB) 1 x HDMI® Type A Female, 2.0, 18Gbps (MAIN)
Video Input Resolution	1080p up to 30Hz (Airplay, Miracast, Chromecast, "VEOShare" application), 4K up to 30Hz (HDMI® and USB-C Transmitters, HDMI® IN), 80-120ms Transmission Delay
Video Output Resolution	MAIN: 720p, 1280x800/60Hz, 1080p up to 60Hz, 1900x1200/60Hz, 4K up to 60Hz SUB: 720p, 1280x800/60Hz, 1080p up to 60Hz, 1900x1200/60Hz
Chroma Subsampling	4:4:4, 4:2:2, 4:2:0
Colour Depth	8-bit (4K 60Hz 4:4:4)
Colour Space	RGB, YCbCr, YUV
HDCP	MAIN OUT: 2.2 SUB OUT/HDMI® IN: 1.4
Video Composing Capabilities	Multiviewing up to 5 windows; 15 participants on hold
Screen Mirroring	Airplay, Chromecast, Miracast, VEOShare application, Wireless Transmitter
Wireless Conferencing	Yes (Video Playback Frame Rate: 20-60fps)
Other Features	Whiteboard annotation tool, Wireless Touchback, Customizable background, CEC compliant
HDMI® Distance	5m with Ecler VEO Cables
Audio Performances	
Audio Output Connectors	1 x 6-pin balanced Euroblock
Audio Formats	PCM
Sample Rate	Wireless Transmitter: 44.1 KHz, 48khz HDMI® out: 48KHz USB speakerphone for video conference: 16KHz USB speakerphone for audio out: 48KHz
Bit Depth	Up to 24-bit
Frequency Response	20Hz-20KHz (±3dB)
Audio De-Embedding	Yes
Device Control	
Control Connectors	1 x USB Type A, 1 x 3-pin Euroblock, 2 x RJ-45
Control Protocols	Web, Telnet, RS-232, GPI
Control Buttons	1 x Standby button, 1 x Reset button, 1 x HDMI® IN on/off, 1 x USB Switch
Status Indicators	Power LED
Network	
Network Connectors	2 x RJ-45 (1Gbps), WIFI IEEE 802.11 a/g/n/ac/ax (Antennas MIMO 2x2, MIMO 1x1)
Network Requirements	Compatible with 2.4 GHz and 5GHz frequency bands with 35m coverage (environment dependant), Security: AES, WPA PSK, WPA2 PSK, HTTPS
Average Streaming Bitrate	Up to 1200Mbps

Transmission Distance	100m via Ethernet Network
Electrical	
Power Supply	PoE+ (IEEE802.3at.); External: Input 100-240 VAC 50/60Hz, Output: 12VDC-3A
AC Mains Connector	External PSU. Included 4 region power blades (UK,US,AU,EU)
DC Mains Connector	12VDC-3A with coaxial DC connector
Power Consumption	30W
Physical	
Operating Temperature	Min: -20°C ; -4°F Max: 60°C ; 140°F
Operating Humidity	20% - 90% RH, no condensing
Storage temperature	Min: -20°C ; -4°F Max: 60°C ; 140°F
Storage humidity	20% - 90% RH, no condensing
Included Accessories	1 x 3-pin 3.5mm Euroblock connector, 3 x antennas, 1 x PSU 12V/3A
Optional Accessories	VEO-SWC45TH, VEO-SWC45TU
Dimensions (WxHxD)	222 x 42 x 120 mm / 8.74 x 1.65 x 4.72 in. 222 x 155 x 120 mm / 8.74 x 6.1 x 4.72 in. (including antenna)
Shipping Dimensions (WxHxD)	345 x 75 x 205 mm / 13.58 x 2.95 x 8.07 in
Weight	0.930 Kg / 2.05 lb
Shipping Weight	1.5 Kg / 3.31 lb
Chassis Material	Metal
Finished Colour	Black

MECHANICAL DIAGRAM



Ecler VEO-SWC45 Mechanical Diagram



61-1149-0100

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All product characteristics are subject to variation due to production tolerances. **NEEC AUDIO BARCELONA S.L.** reserves the right to make changes or improvements in the design or manufacturing that may affect these product specifications.

For technical queries contact your supplier, distributor or complete the contact form on our website, in [Support / Technical requests](#).

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