

VEO-SWM44

SWITCHER

4K 4x1 Presentation Switcher With VEOCAST



PRODUCT OVERVIEW

VEO-SWM44 is a compact 4K presentation switcher that includes 2 HDMI 2.0, a USB-C and wireless input selection via VEOCast to a single HDMI 2.0 output, supporting resolutions up to 4K/60Hz 4:4:4 HDR10 and Dolby Vision. An integrated audio de-embedder provides stereo analogue balanced outputs on Euroblock connectors. VEO-SWM44 includes 2 USB 3.0 type B and 2 USB 3.0 type A in order to support soft codec applications and external devices like webcam and KVM kits. Input selection is available via Auto-switching function, front panel buttons or RS-232. Display control via front panel buttons through CEC or RS-232. Smart EDID management and HDCP 2.2 support.

KEY FEATURES

- Bandwidth up to 18Gbps, resolution up to 4k @60hz YUV 4:4:4
- Support HDR10, Dolby Vision
- Wireless BYOD (bring your own device) capability via VEOCast
- Provide up to 60w charging, USB data and 4K video over USB-C
- HDMI Audio de-embedded via balanced analogue audio port on Euroblock connectors.
- HDCP2.2 Compliant
- EDID Smart Management (via dip-switch)
- Switching function via front panel, auto-switching function, RS-232
- Configuration via web-page (WiFi)
- Send CEC and RS-232 commands for display control

APPLICATIONS

- Education
- Corporate

TECHNICAL SPECIFICATIONS

VEO-SWM44

Video Performances

Input Resolutions	HDMI: Up to 4Kx2K@60Hz 4:4:4 HDR10, Dolby Vision USB-C (DP Alt Mode compliant): Up to 4K@30Hz 4:4:4 VEOCast: Up to 4K@30Hz 4:4:4
Output Resolutions	Up to 4Kx2K@60Hz 4:4:4 HDR10, Dolby Vision 4:4:4, 4:2:0
Chroma Subsampling	8-bit, 10-bit, 12-bit,
Color Depth	18Gbps
Signal Bandwidth	2.2/1.4
HDCP	2 x Type A female HDMI
Video Input Connectors	1 x Type C USB 3.0 with DP ALT-MODE connector 1 x External Antenna connector
Video Output Connectors	1 x Type A female HDMI
HDMI Distance	Up to 10m (33feet) with Ecler VEO cables

Audio Performances

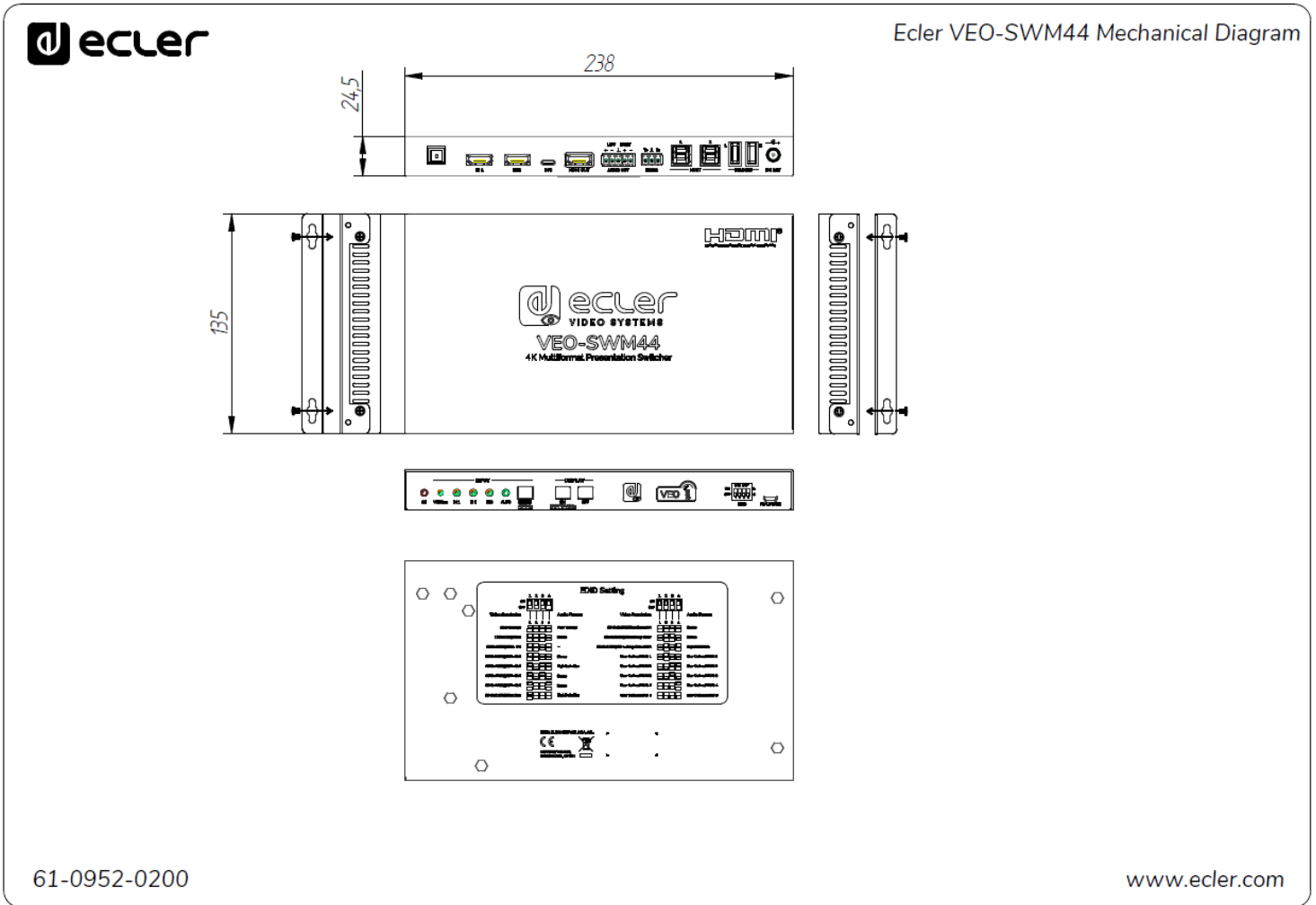
Audio Formats	Dolby Atmos, Dolby TrueHD, Dolby Digital Plus, Dolby Digital, DTS-X, DTS-HD Master Audio, DTS 5.1, PCM;
Sample Rate	up to 24-bit
PCM bit rate	32 KHz, 44.1 KHz, 48 KHz, 88.2 KHz, 96 KHz, 176.4 KHz, 192 KHz
Frequency Response	20Hz–20KHz, ±3dB
Max Output Level	2.0Vrms± 0.5dB
THD+N	< 0.05%, 20Hz – 20KHz bandwidth, 1KHz sine at 0dBFS level (or max level)
SNR	>80dB, 20Hz - 20KHz bandwidth
Audio Connectors	5-pin Euroblock (Balanced Stereo)

Control

Control Ports	1 x 4-pin DIP switch 2 x USB HOST (PC1&PC2), 2 x USB DEVICES 1 x RS-232 1 x FW Update
Control Connectors	2 x Type-B USB 3.0 2 x Type-A USB 3.0 1x Type-C USB 3.0 1 x 3-pin Euroblock 1 x Micro-USB

Network	
WLAN Standards	IEEE 802.11ac
Wireless Band	2.4 GHz / 5 GHz
Max Wireless Coverage	≤5m, environment dependent, reduce disturbance to increase transmission distance up to 15m
OS Supported Version	iOS 7 or above, MacOS, Android 4.0 or above, Windows 8.1 or above
Environmental	
Operation Temperature	-5°C - +55°C / 23°F - 131°F
Humidity	10 - 90% RH (no condensation)
Power Supply	
Power Supply	AC 100V ~ 240V 50/60Hz Output: DC 24V---5A
Power Consumption	85W Max with the included PSU 60W Max power charging over USB-C
Mechanical	
Dimensions (WxHxD)	238 x 24.5 x 135 mm / 9.37 x 0.96 x 5.31 in.
Weight	1.25 kg / 2.75 lb
Shipping Dimensions (WxHxD)	350.5 x 77 x 255 mm / 13.79 x 3.03 x 10.03 in.
Shipping Weight	1.90 kg / 4.18 lb

MECHANICAL DIAGRAM



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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