

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

- Corporate meeting room
- Small conference room
- Classroom

TECHNICAL SPECIFICATIONS

VEO-SWM44	
Video Performances	
Input Resolutions	HDMI: Up to 4Kx2K@60Hz 4:4:4 HDR10, Dolby Vision USB-C: 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
Chroma Subsampling	4:4:4, 4:2:0
Color Depth	8-bit, 10-bit, 12-bit,
Signal Bandwidth	18Gbps
HDCP	2.2/1.4
Video Input Connectors	2 x Type A female HDMI 1 x Type C USB 3.0 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 RS232 1 x FW Update
Control Connectors	2 x Type-B USB 3.0 2 x Type-A 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	
Mains voltage	AC 100V ~ 240V 50/60Hz

Rated power consumption	Output: DC 24V--5A 85W Max (60W Max power charging over USB-C)
Mechanical	
Dimensions	150mm x 220mm x 44mm (5.90" x 8.66" x 1.73")
Weight	1250g / 2.75 lbs

MECHANICAL DIAGRAM

