

# DVDO

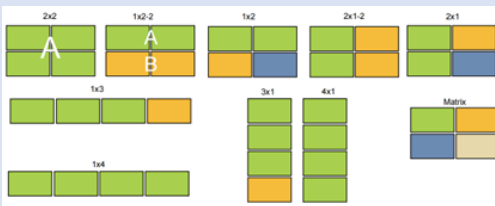
## DVDO-Matrix-44SS-VW

### 4K 4x4 Seamless HDMI Matrix Switcher & Video Wall Controller



DVDO-Matrix-44SS-VW is a 4K 4x4 seamless matrix switcher and video wall controller.

With its video wall function, it can output 10 different display modes including 2x2, 4x1, 1x4, etc... that can be saved as presets



It also features a web browser interface module for control and configuration of the matrix when used stand-alone or with a third party control system.

Control options include front-panel push buttons, IR remote control, RS-232 interface and TCP/IP.

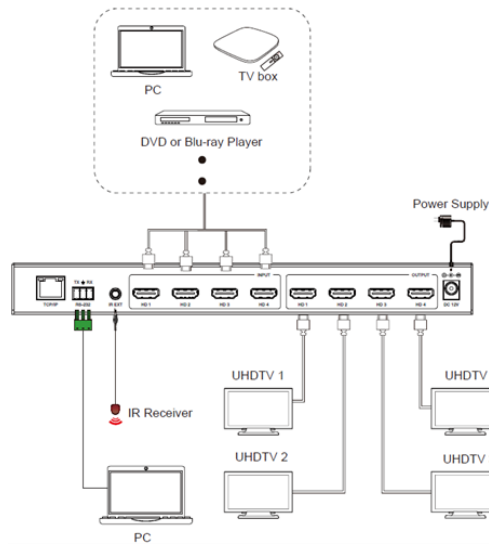
## Features

- Compliant HDCP 2.2 and HDCP 1.4
- Features 2 operational modes:
  - 4x4 Matrix (seamless switch)
  - Video wall (2x2, 4x1 or 1x4 configurations)
- Seamless video switching
- Video inputs support all industry standard video resolutions including VGA-WUXGA (up to 1920x1200 @60Hz) and 480i-4K (3840x2160 @60Hz 4:4:4, 4096x2160 @60Hz 4:4:4) as specified in HDMI 2.0b
- HDMI outputs support upscaling / downscaling to any resolution up to 4096x2160@60Hz 4:4:4
- Support LPCM, DD, DD+, DTS, Dolby TrueHD, DTS HD-master pass-through
- Advanced EDID management
- Web interface module for control and configuration
- Control via front panel, IR, RS-232 and TCP/IP

## Applications

- Conference Rooms
- Hospitality
- Digital Signage
- Houses of Worship
- Education
- Restaurants
- Retail
- Residential

# Application Diagram



## Technical Specifications

<b>Technical</b>	
HDMI Compliance	HDMI 2.0b
HDCP Compliance	HDCP 2.2/1.4
Video Bandwidth	594MHz/18Gbps
Input Resolutions	VGA-WUXGA (up to 1920×1200@60Hz), 480i-4K (3840x2160@60Hz 4:4:4, 4096x2160@60Hz 4:4:4)
Output Resolutions	Output: 4096x2160p60, 4096x2160p50, 3840x2160p60,3840x2160p50, 840x2160p30, 1920x1080p60, 1920x1080p50, 1920x1080i60, 1920x1080i50, 1920x1200p60rb, 1360x768p60, 1280x800p60, 1280x720p60, 1280x720p50, 1024x768p60, auto
Color Space	RGB, YCbCr 4:4:4/4:2:2, YUV 4:2:0
Color Depth	8/10/12-bit
IR Level	12Vp-p
IR Frequency	38KHz
HDMI Audio Formats	LPCM, Dolby Digital/Plus/EX, Dolby True HD, DTS, DTS-EX, DTS-96/24, DTS High Res, DTS-HD Master Audio
<b>Connections</b>	
Inputs	4 x HDMI [Type A, 19-pin female]
Outputs	4 x HDMI [Type A, 19-pin female]
Control	1 x RS-232 [3pin-3.81mm phoenix connector] 1 x TCP/IP [RJ45] 1 x IR EXT [3.5mm Stereo Mini-jack]
<b>Mechanical</b>	
Housing	Black Metal Enclosure
Dimensions	270mm (W) × 166mm (D) × 30mm (H)
Weight	1.165kg
Power Supply	Input: AC 100 - 240V 50/60Hz Output: DC 12V/2.5A (US/EU standard, CE/FCC/UL certified)
Power Consumption	19.56W (Max)
Operating Temperature	0°C ~ 40°C / 32°F ~ 104°F
Storage Temperature	-20°C ~ 60°C / -4°F ~ 140°F
Relative Humidity	20~90% RH (non-condensing)