# SW-44-MV

## 4x4 HDMI 4K 18 Gbps Matrix /w Multi viewer

### FEATURE:

- HDCP 2.2 compliant
- Support video resolution up to 4K@60Hz 4:4:4and 18Gbps video bandwidth, as specified in HDMI 2.0
- Support 12 display categories in multi-viewer mode, and 9 splicing modes in video wall mode
- HDMI audio format: LPCM, Dolby Digital/Plus/EX, Dolby True HD, DTS, DTSEX, DTS-96/24, DTS High Res, DTS-HD Master Audio
- Support CEC control, and multiple video resolution output
- Advanced EDID management
- Control via front panel buttons, IR remote, RS-232, and Web GUI



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The 18Gbps 4x4 Seamless Matrix provides an ideal solution for routing video from four HDMI sources to four HDTV displays. It features video wall and multi- viewer capabilities with various display modes, and supports 4x4 IR matrix functionality, as well as audio embedding and de-embedding. The matrix handles video resolutions up to 4K@60Hz 4:4:4, with each source capable of independent scaling. Seamless switching ensures smooth transitions between sources without frame loss. Control options include front panel buttons, IR remote, RS-232, and Web GUI.



# Switchers

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## SPECIFICATIONS:

### Technical

| | |
|---|---|
| HDMI Compliance | HDMI 2.0 |
| HDCP Compliance | HDCP 2.2 |
| Video Bandwidth | 594MHz/8Gbps |
| Video Resolution | 480i ~1080P@50/60Hz, 4K2K@24/30Hz, 4K2K@60Hz |
| Color Space | RGB, YCbCr 4:4:4, YCbCr 4:2:2, YCbCr 4:2:0 |
| Color Depth | 8/10/12-bit |
| Audio Formats | LPCM, Dolby Digital/Plus/EX, Dolby True HD, DTS, DTS-EX, DTS-96/24, DTS High Res, DTS-HD Master Audio |
| IR Level | 12Vp-p |
| IR Frequency | Wideband 20K-60KHz |
| ESD Protection | Human body model — ±8kV (air-gap discharge) & ±4kV (contact discharge) |

### Connections

| | |
|---|---|
| Input ports | 4x HDMI Type A [19-pin female] |
| | 4x L/R AUDIO INPUT [3.81mm, 3pin Phoenix Connector] |
| Output ports | 4x HDMI Type A [19-pin female] |
| | 4 × OPTICAL AUDIO OUT [S/PDIF] |
| | 4 × L/R AUDIO OUT [3.81mm, 5pin Phoenix Connector] |
| Control ports | 1x TCP/IP [RJ45] |
| | 1 × RS-232 [D-Sub 9] |
| | 1x IR EXT [3.5mm Stereo Mini-jack] |
| | 4 × IR INPUT [3.5mm, Stereo Mini-jack] |
| | 4 × IR OUTPUT [3.5mm, Stereo Mini-jack] |

### Mechanical

| | |
|---|---|
| Housing | Metal Enclosure |
| Color | Black |
| Dimensions | 440mm [W]x203mm [D]x44.5mm [H] |
| Weight | 2.55kg |
| Power Supply | Input: AC 100-240V 50/60Hz |
| | Output: DC 12V/2.5A (US/EU standard, CE/FCC/UL certified) |
| Power Consumption | 25W (max) |
| Operation Temperature | 32 - 104°F / 0 - 40°C |
| Storage temperature | -4 - 140°F / -20 - 60°C |
| Relative Humidity | 20 - 90% RH (no condensation) |

| Resolution / Cable length | 4K60 - Feet / Meters | 4K30 - Feet / Meters | 1080P60 - Feet / Meters |
|---|---|---|---|
| HDMI IN / OUT | 16ft / 5M | 32ft / 10M | 50ft / 15M |

The use of "Premium High Speed HDMI" cable is highly recommended.

### Certification

| | |
|---|---|
| Unit | CC, FCC |

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