

## TECHNICAL SPECIFICATION

| VIDEO                     |  |
|---------------------------|--|
| Video Amplifier Bandwidth | 3.2 Gbps   |
| Input Video Signal        | Video (TMDS) 0.5~1.0Vpp                                    |
| Input DDC Signal          | 5 volts  |
| Compliances               | HDMI 1.4, HDCP   |
| Pixel Rates               | Clock frequency beyond 165Mpix/second                      |
| Format                    | 4:4:4 and 4:2:2 data input formats                         |
| Resolution                | 480p, 720p, 1080i, 1080p                                   |
| Input Card Format         | 4-port HDMI card   |
| Output Card Format        | 4-port HDMI card   |
| Input Slots               | Up to 8 (1 card)   |
| Output Slots              | Up to 12 (3 cards)   |
| Video Type                | RGB/YCBCR : 24/30/36-bits,<br>YCBCR: 8/10/12/16/20/24-bits |
| CONTROLS                  |  |
| RS-232                    | DB9 Female, 115200 BPS, N, 8, 1,<br>No flow control        |
| TCP/IP                    | RJ45, UDP  |
| OTHER                     |  |
| Working Temperature       | 0°C~+55°C  |
| Storage Humidity          | Up to 95%  |
| Weight                    | 20 lbs   |
| Dimensions                | 17 in (W) x 3.5 in (H) x 15 in (D)                         |
| Power Supply              | 50/60Hz, 100~230 VAC                                       |
| Consumption               | 300W   |
| SOFTWARE                  |  |
| Operating System          | Windows 7-10, Android 7 and above                          |

## WHAT'S IN THE BOX

| PART NO.          | Q-TY | DESCRIPTION  |
|-------------------|------|--|
| MXWALL-LP         | 1    | 8-Input 12-Output Video Wall Processor and Matrix Switch |
| CCPWRO6           | 1    | Power supply cord  |
| Quick Start Guide | 1    |  |

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888.994.7427, 702.800.0005  
2917 E Alexander Rd  
North Las Vegas, NV 89030

[SmartAVI.com](http://SmartAVI.com)

**Smart-AVI**  
SMART AUDIO VIDEO INNOVATION

# MXWALL-LP

**8-Input and Up to 12-Output  
Video Wall Processor  
and Matrix Switch**



**ALL-IN-ONE VIDEO WALL  
AND MATRIX SOLUTION WITH  
1080P FULL HD  
RESOLUTION OUTPUT,  
INTEGRATED CONVERTER &  
SCALER**

**Quick Start Guide**

## ABOUT

The MXWall-LP is a video wall processor and matrix switch with up to 12 HDMI outputs. Compact, plug-and-play, and excellent for mid-sized video wall displays between 4-12 screens with resolutions up to 1080p (1920 x 1080 @ 60 Hz) Full HD. With built-in multiviewer capabilities, the MXWall-LP allows up to two input sources to be displayed simultaneously on any output screen, enhancing flexibility for dynamic content presentations.

The MXWall-LP is simple to control, featuring optional RS-232 control and SmartAVI's intuitive MXwall Manager software, which is included for free. MXwall Manager software lets users manually create and adjust their ideal video wall displays using simple click-and-drag operations, making it easy for users of any technical skill level. The MXWall-LP also features TCP/IP web control and a tablet software manager that works over WiFi, providing users with flexible control options.

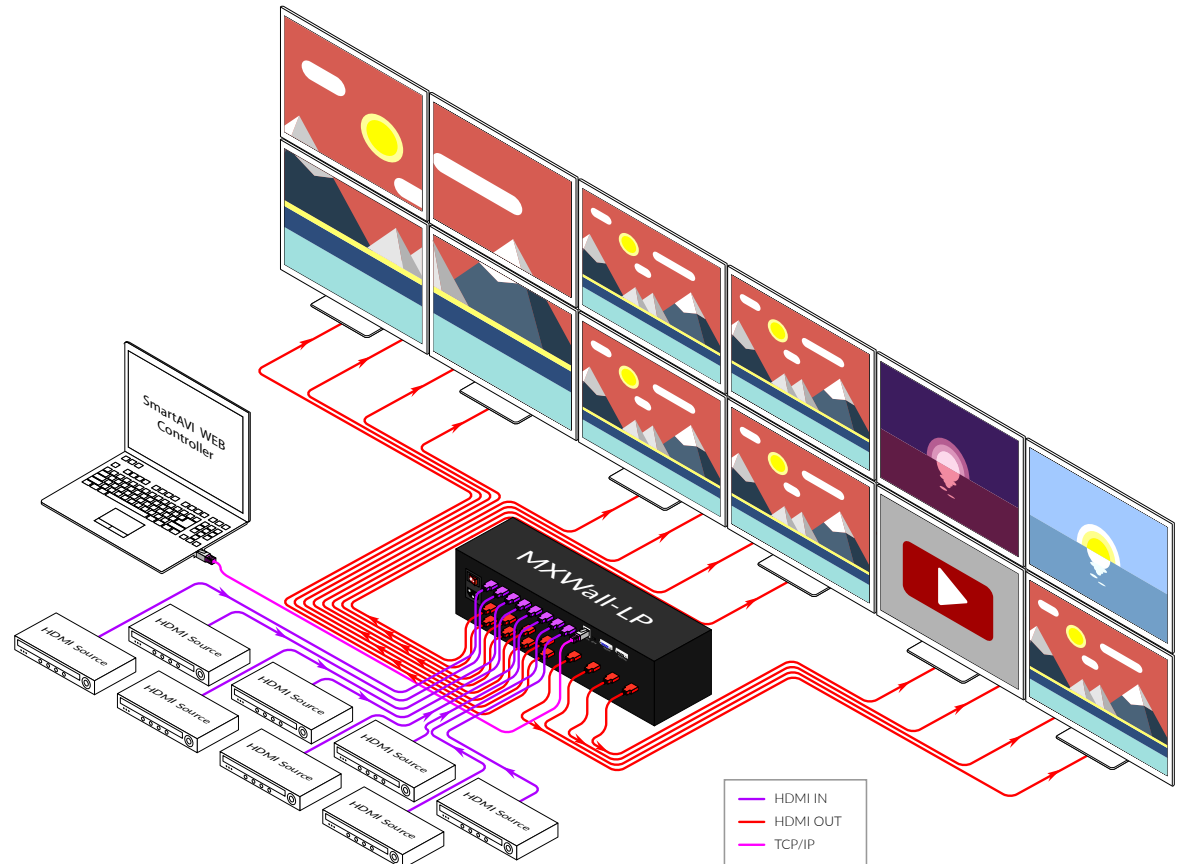
Its compact design and powerful processing make the MXWall-LP an excellent solution for any video wall installation. Plug-and-play enabled, the MXWall-LP is immediately ready for use as soon as it is connected to an AV setup—no additional drivers or installers required. Its exceptional hardware delivers stunning video wall displays in environments such as retail spaces, educational facilities, conference rooms, command centers, event halls, entertainment venues, airports, and more.

## FEATURES

- Complete hardware solution
- Plug-and-play ready
- 8 HDMI Inputs
- Up to 12 HDMI Outputs
- Supports DVI with adaptors
- 1080p (1920 x 1080 @ 60 Hz) Output Resolution
- Creative video wall display modes
- Easy control (software, RS-232 and TCP/IP)
- HDCP and HDMI 1.4 compliant
- User-Friendly MXwall Manager Software
- For 8x8, and 8x12 video wall setups

## HARDWARE INSTALLATION

1. Position MXWall-LP conveniently and keep it unplugged.
2. Connect displays to the MXWall-LP and power on the displays.
3. Connect any video source to the MXWall-LP.
4. Optionally connect an RS-232 cable from a PC to the RS-232 port on the unit for additional control.
5. Optionally connect an Ethernet cable to the MXWall-LP for additional control.
6. Turn on the MXWall-LP and wait a few seconds for the unit to initialize.



## MXWALL-LP FRONT



## MXWALL-LP BACK

