

# QWALL-HD

## 4X4 HDMI MATRIX & WALL SYSTEM



**4X4 HDMI VIDEOWALL PROCESSOR, POWERFUL,  
COMPACT AND EASY TO USE CAN BE CONTROLLED  
FROM ANYWHERE THROUGH WEB BROWSER.**

## FEATURES

- Complete hardware solution - no need for a PC
- Plug-and-play ready
- Four HDMI inputs and four HDMI outputs
- HDMI digital audio output
- Learns any EDID
- Built-in database
- Ethernet control-ready
- Multiple screen modes and picture flip functions
- Easy control and access
- HDMI 1080p
- Supports IR and RS-232
- 1920 x 1080p resolution

## APPLICATIONS

- Airport Installations (Air Traffic Control/ Passenger Information)
- Malls
- Corporate Lobbies or Educational Presentations
- Restaurants
- Financial (Remote Servers/User Control)
- Call Centers for Technical Support
- Medical (Remote Operation Away from Sensitive/ Magnetic Equipment)



Designed and Manufactured in the USA

# OVERVIEW

## INNOVATIVE VIDEO WALL CONTROLLER AND MATRIX

To create a four-screen video wall with four HD video inputs, the QWALL-HD video wall controller and matrix provides a truly simple plug-and-play hardware solution with incredible 1080p resolution. With four inputs and four outputs, users can arrange their content in numerous ways, providing unique functionality by combining the abilities of a video wall hardware controller and a matrix. The QWALL-HD is HDCP compliant.

Users can stretch one large image over four screens, send an input to each screen. The QWALL-HD showcases ultra-HD picture quality, as well as digital audio output over HDMI. Better still, there's no software required, as all content management options are effortlessly controlled via the QWALL-HD video wall controller unit itself. There's no need for drivers or updates, just connect the HD inputs and HD screens to the controller and it's ready to go.

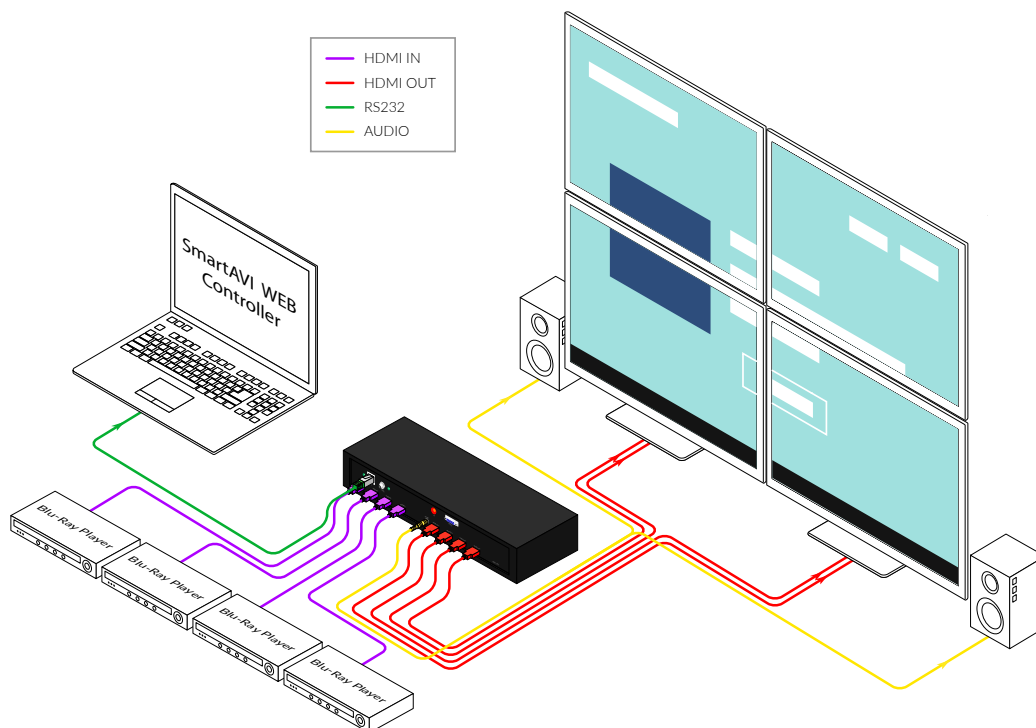
## A COMPLETE HD VIDEO WALL EXPERIENCE

With four HDMI inputs, four HDMI outputs, and support for 1080p resolution, the QWALL-HD delivers the ultra-high definition premium content that audiences expect with the added bonus of full digital audio. Furthermore, this video wall controller and matrix switch enables users to craft engaging messaging and attractive branding with ease. With numerous options for how each input is displayed, there's no limit to the unique and exciting content options with this user-friendly hardware solution. Changing content inputs, re-directing what content shows on which screens, and re-orienting content layouts is as simple as the click of a button. Users don't have to learn any new programs or dedicate a computer to managing the QWALL-HD.

## INTEGRATED WEB SERVER

This user-friendly web app gives users all the video configurations found on the box, but through remote access.

# APPLICATION DIAGRAM



# AVAILABLE CONFIGURATION

<table border="1"> <tr> <td style="text-align: center; font-size: 2em;">1</td> </tr> </table>	1	<p>VIDEO WALL MODE: User can select any of the four HD inputs and project the image across four HD screens (2x2 configuration).</p>			
1					
<table border="1"> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">1</td> </tr> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">1</td> </tr> </table>	1	1	1	1	<p>CLONE MODE: User can select any of the four HD inputs and project the image individually on all four HD screens, with supported resolution up to 1920x1080 on each screen.</p>
1	1				
1	1				
<table border="1"> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">2</td> </tr> <tr> <td style="text-align: center;">3</td> <td style="text-align: center;">4</td> </tr> </table>	1	2	3	4	<p>MATRIX MODE: User can quickly assign inputs to their desired output.</p>
1	2				
3	4				
<table border="1"> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">1</td> </tr> <tr> <td style="text-align: center;">2</td> <td style="text-align: center;">2</td> </tr> </table>	1	1	2	2	<p>SPLICING MODE: User can splice the input to do different matrix arrays (i.e. 1x2, 2x1, 1x3, 3x1, 1x4, 4x1)</p>
1	1				
2	2				



QWALL-HD back



QWALL-HD front

# TECHNICAL SPECIFICATION

VIDEO	
Video Bandwidth	Single-link 340MHz [10.2Gbps]
Resolution HDTV	480i, 480p, 720i, 720p, 1080i, 1080p
Single Link Range	1080p
Format	HDMI 1.4
DVI Compliance	Single-link DVI-D 2.0
HDCP Compliance	1.0/2.0
Input Interface	(4) HDMI
Output Interface	(4) HDMI
Connector	Type A [19-pin female]

AUDIO	
Format	HDMI Digital Audio
Frequency Response	20Hz ~ 20KHz
Output Interface	3.5 mm stereo audio

CONTROL	
Front Panel	Push Buttons with LED Indicators
RS-232	DB9 (female) Via Control @ 9600 bps
Hot Keys	Via Keyboard
Remote	IR
Web	Web Interface

OTHER	
Power Supply	Internal 100-240 VAC
Dimensions	17.0" W x 2.0" H x 10.75" D
Weight	4.4 lbs
Approvals	UL, CE, ROHS Compliant
Operating Temperature	+32 to +104°F (0 to +40°C)
Storage Temperature	-4 to 140°F (-20 to +60°C)
Humidity	Up to 80% (No Condensation)

PART NO.	DESCRIPTION
QWALL-HD-S	4X4 HDMI Matrix & WALL System. Includes: [QWALL-HD and PS12VD3A-WLLMNT]

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