

# Video Wall



Wavestore Video Wall Controllers facilitate the display of live video streams captured by a host of camera technologies, such as HD, 4K, thermal and 360° cameras.

Options are available for six or eight monitor connections per controller, with a choice of 1080p or 4K maximum resolution per monitor. Virtually any monitor can be used within the solution from commodity to professional models. Top row monitors can be flipped upside down to reduce the bezel size against the monitor row below them for an enhanced viewing experience.

## Multiple feeds and images

Multiple images can be displayed on any single monitor at various resolutions, with up to 96 x D1 images displayed simultaneously across an 8 Monitor wall (on the WV-4K-8M model with splitter). Images captured by analogue cameras can also be displayed, subject to the addition of compatible encoders or the use of Wavestore Hybrid Video Recorders (HVRs).

## Live camera control

Access to changing and displaying live camera views on the video wall is facilitated via the Video Wall Controller web-browser application (supplied), giving authorised users complete control over which images are displayed on each monitor. Administration and User levels are provided for privilege separation purposes and the web-browser can connect to single, or multiple, Video Wall Controllers.

A mobile device, such as an iPad, can also be used to control the video wall.

Cameras can be displayed on the video wall in a variety of ways, for example multiple cameras per screen, one screen per camera or multiple screens per camera.

A host of camera technology is supported, including live 360° camera dewarping which is displayed as 2 x 180° views.

Recorded video can be displayed by displaying Wavestore's WaveView client on the video wall.

## Change video wall layouts on event

Whilst live camera display is controlled by a web-browser, authorised users are also able to benefit from setting up 'cause and effect' video wall layout changes via Wavestore's WaveView client software.

When a pre-programmed event occurs, it can dynamically change the video wall layout to prioritise the display of event related video in order to maximise operational efficiency and offer greater situation awareness.

Command & Control capabilities are further enhanced by operators being able to capitalise on Wavestore's events & metadata engine to carry out lightning-fast searches to review event recorded video on their Waveview client alongside real-time images and related data on the live video wall.

## Fully scalable

Multiple Video Wall Controllers can be combined and operated from a single browser session to an unlimited number of controllers and monitors.

## At a glance

### Number of Monitors

Up to 8 per controller

### Multiple controller support:

Yes (unlimited)

### Maximum resolution

1080p and 4K options

### Live camera support

Yes

### Event driven layout changes

Yes

## Key Features

- Ensure you can see the 'bigger picture' of any activity, incidents or emergencies which may occur across your estate.
- Display live cameras dynamically including; multiple cameras per screen, one screen per camera or multiple screens per camera
- User defined video wall layouts can be configured to dynamically change when triggered by specific alarms or events, or at the press of a button, driven from Wavestore's VMS
- Use virtually any connectable monitor with your Video Wall Controller(s)



TECHNICAL SPECIFICATION	WV-1080-8M	WV-4K-6M	WV-4K-8M
<b>Monitor configuration</b>			
Number of monitors	8	6	8
Maximum resolution per monitor	1080p	4K	4K
Compression formats supported	H.265 & H.264		
Maximum number of simultaneous display streams	1080p: 24 720P: 32 D1: 48	4K: 6 1080p: 24 720P: 36 D1: 54	4K: 8 1080p: 48 720P: 64 D1: 96
Maximum number of simultaneous real-time display streams	1080P: 24 720P: 32 D1: 48 (Across all connected monitors)	4K: 1 1080P: 4 720P: 6 D1: 9 (Per connected monitor)	4K: 1 1080P: 6 720P: 8 D1: 12 (Per connected monitor)
<b>Operation</b>			
Operating System	Optional Windows 10 Pro 64 Bit		
Operating System drive	SSD		
CPU	7th Gen i7 Kaby	Xeon E3-1578L V5	Dual Xeon 4114
RAM	2 x 4GB DDR4		
<b>Connectivity</b>			
Network interfaces	2 x Gb NIC		
USB ports	2 x USB 2.0 & 2 x USB 3.0		
Monitor outputs	DisplayPort 1.2 or Active DP - HDMI Adapters (not supplied)		
Keyboard & mouse connection	Yes (not supplied)		
<b>Wavestore Video Management Software</b>			
Wavestore VMS channel license level compatibility	Premium, Enterprise and Ultimate		
Multicast support	Yes		
<b>Video Wall live camera and event control</b>			
Live camera operation	Unlimited user browser-based live camera control with admin and user privilege separation		
Video wall change layout on event	Yes, set up via Wavestore's WaveView client software as part of the events engine		
<b>Physical</b>			
Form factor	2U rackmount		3U rackmount
Dimensions (D x W x H)mm	220 x 482 x 88		415 x 482 x 133
Maximum weight	3.0Kg		4.0Kg
Operating temperature range	5°C to 40°C 41°F to 104°F		
Operating relative humidity (non-condensing)	20% to 80%		
<b>Power</b>			
Power input	100-240v AC 50/60Hz		
Power consumption	180W typical	180W typical	750W typical
<b>Warranty</b>			
Standard warranty	3-year return to base		
Extended warranty	Up to 5-years		

**Ordering information:**

- WV-1080-8M** Wavestore Video Wall controller, 8 monitors at 1080p resolution, browser-based live control for unlimited users
- WV-4K-6M** Wavestore Video Wall controller, 6 monitors at 4K resolution, browser-based live control for unlimited users
- WV-4K-8M** Wavestore Video Wall controller, 8 monitors at 4K resolution, browser-based live control for unlimited users

**Rear Panel Connections:**

- 100-240v AC power input
- 2 x USB 2.0
- 2 x Gb NIC
- 6 or 8 x DisplayPort outputs (model dependent)