

# Hiperwall Video Wall Software

## Realize the Power of Distributed Visualization

The only video wall platform that utilizes the power of distributed visualization architecture. Pioneered by Hiperwall scientists, this unique system distributes the visual processing load to each computer in the Hiperwall network. As you add more computers, the power of your system grows.

Display  
unlimited  
sources.

Benefit from  
unlimited  
resolution.

Manipulate  
content  
quickly and  
easily.

## Additional Features

### AV over IP Infrastructure

Significantly reduces cost, complexity, space requirements, energy use, and cable clutter.

### Hardware Agnostic

For added flexibility and cost savings, customer can use any commodity hardware that meets Hiperwall's requirements.

### Scalable

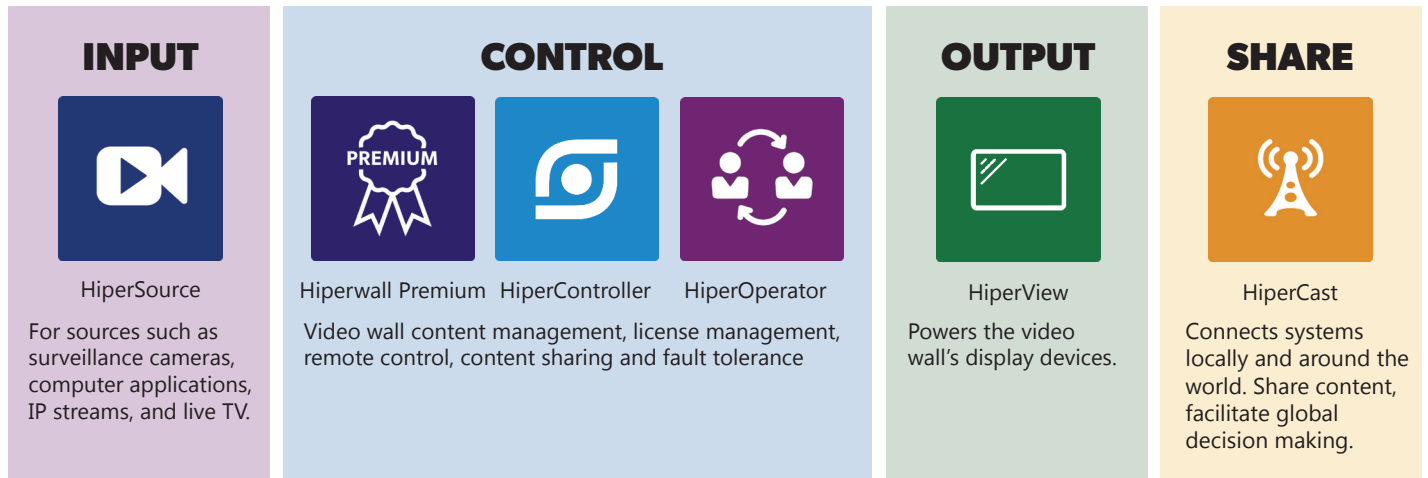
It's easy to expand a Hiperwall-powered system by simply adding low-cost off-the-shelf components.



 **Hiperwall**<sup>®</sup>  
See the big picture.<sup>®</sup>


## We specialize in software for highly interactive video walls.

Our flexible software is designed for any video wall from the smallest to the most complex. We have software applications that manage the input, control and output of a video wall system. We also provide a powerful solution for sharing and collaboration among systems.



## Control Applications

### HiperController

 **HiperController Software** and user interface controls what, where, how and when content is displayed. The user interface shows you a representation of your entire system. As you add, move, resize and change content on the user interface, the actions occur on your video wall in real time.

#### Features

**Powerful Content Manipulation:** Hiperwall software's content manipulator works in real-time showing finished content as it appears on the wall. Drag content anywhere. Resize, zoom, rotate, magnify, animate, adjust transparency. Easily clone multiple synchronized copies of content. Create slide shows from any content including live sources.

**Sound Control:** Adjust the sound level of specific content sources and displays.

**Schedule and Restore:** Content can be arranged and saved as "environments" and restored on demand, or scheduled to appear at any time.

**Centralized Source Control:** Access and browse a list of all available sources. Control sources via KVM Create new RTSP streams. Open browser windows.


**Video Engine:** Highly optimized video playback rendering with 4K video capability and enhanced performance.

**Wall grids:** Define snap-to grids on a video wall's entire canvas. Not limited by display bezels. Useful on bezel-free LED video walls.


**SmartSnap™:** Automatically snap content to surrounding grid. See a preview before content snaps into place. Set up display content in seconds.

**Source Snapshot:** Capture a static image of an event for later examination.

### HiperOperator


 **HiperOperator Software** Remote access to your video walls from PCs and mobile devices such as Windows/Linux tablets, so you can support and manage your video wall anywhere, anytime.


### HiperFailSafe


 **HiperFailSafe Software** converts your single-controller system to fault tolerance. The software includes a controller and the technology to pair with a second controller to create a fail-safe system. *Requires the addition of two computers to your system.*


### HiperController Add-Ons

We offer exciting software add-ons that significantly increase the capabilities of your controller software.

 **HiperAccess:** A powerful user authentication tool to limit access to Hiperwall capabilities and assign a set of permitted capabilities to operators. Includes detailed logging for enhanced accountability.

 **HiperLayout:** Allows multiple physical video walls as part of a single system. Supports unique and artistic wall configurations including a mixture of display sizes and rotation angles.

 **HiperKVM:** Enables the operator to control the keyboard and mouse of a remote source PC on the system. Perfect for situations where the main controller is not local.

 **HiperInterface:** An external interface (API) that lets you control many functions of the Hiperwall system from third-party applications or devices, such as control systems like AMX or Crestron, scripting languages, tablets, and smart phones.



## Premum Suite

Get HiperFailSafe, HiperController and the HiperController add-ons in a cost-saving bundle.

- Fault tolerance is built in -- two controllers run simultaneously. If one controller fails, the other ensures continuous operation. No down time!
- Upgrades are free: Keep your maintenance agreement up to date and you'll get any new HiperController add-ons free.

	Standard Features	HiperFailSafe	HiperAccess	HiperLayout	HiperKVM	HiperInterface
Premium Suite	■	■	■	■	■	■
HiperController	■					

## Input, Output and Sharing Applications

### INPUT



**HiperSource** is a suite of applications that delivers your content to the video wall whether it's from desktop capture, IP camera streams, capture card input or video files. The software consists of a group of interchangeable applications, each of which is optimized to work with specific types of content.

#### HiperSource Applications:



**HiperSource Sender:** Sends a PC screen to the wall. For low-frame-rate, high-resolution content.



**HiperSource Streamer:** For video streaming from a PC or capture device. Allows for resolution up to 4K.



**HiperSource IP Streams:** Bridges IP stream sources (such as IP cameras, or h.264 encoders) to a video wall.



**HiperSource Browser:** Displays ultra-high-resolution content or sends several high-resolution web pages from a single PC.

#### Powerful Source Acquisition and Management

**VMS interface:** Access all sources on available video management systems such as Milestone and Genetec.

**Source tab:** Control all sources via a tab on the control panel. Access a list of all sources, control sources via KVM, create new RTSP streams and open browser windows from the Hiperwall Control Panel.

### OUTPUT



**HiperView Software** powers the video wall's display devices. Each display or projector is managed by an ultra-small, low-cost computer running HiperView software. HiperView is available in HD and UHD versions.

#### dvLED Video Wall Support

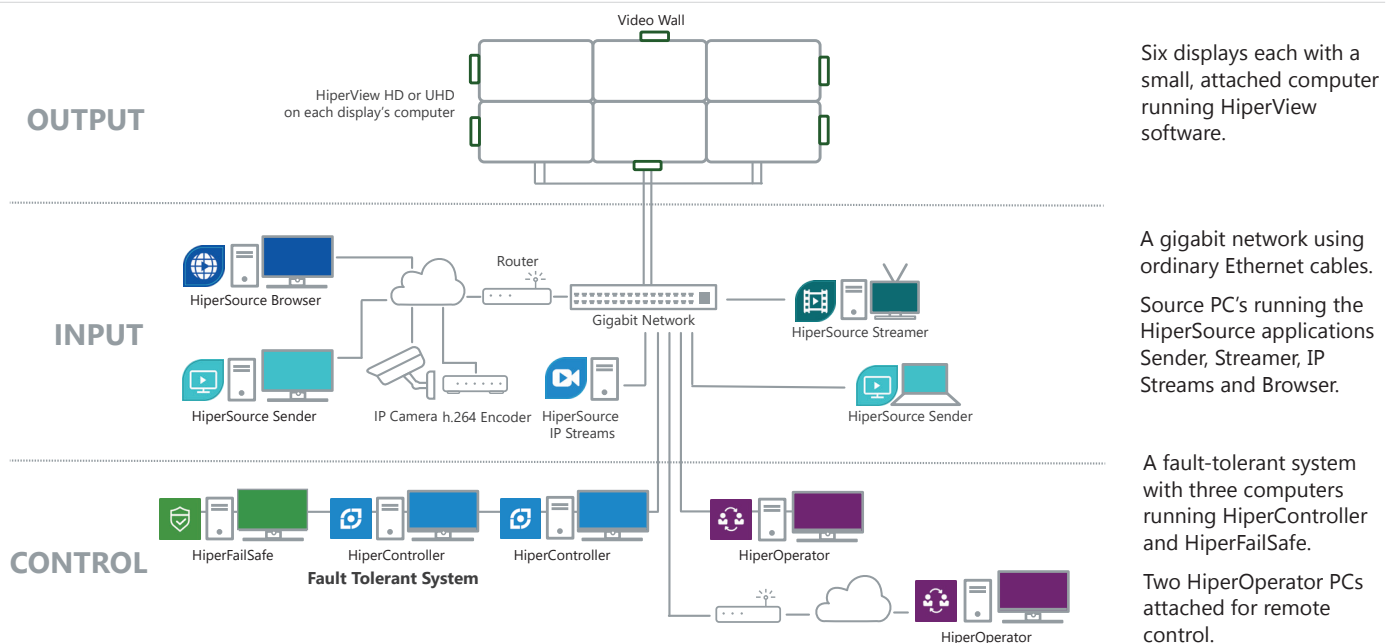
**HiperView Quantum add-on:** Superior visual experience with smooth, tear-free motion across multiple video wall controllers. Requires HiperView.

**HiperView LED add-on:** Enables the accurate control of the total resolution of an LED wall. Requires HiperLayout and HiperView.

### SHARE



**HiperCast Software:** Share live feeds, information and other content between Hiperwall systems. With HiperCast software installed HiperSource Sender content can be shared quickly between multiple locations of a large company or organization.



Six displays each with a small, attached computer running HiperView software.

A gigabit network using ordinary Ethernet cables.

Source PC's running the HiperSource applications Sender, Streamer, IP Streams and Browser.

A fault-tolerant system with three computers running HiperController and HiperFailSafe.

Two HiperOperator PCs attached for remote control.



## Decision Making Power

### Command and Control

- Make critical decisions in the shortest possible time.
- View unlimited sources simultaneously for enhanced situational awareness.
- Collaborate across the room or around the world.

**Control Rooms – Fusion Centers - Security Operations Centers**

### Collaboration

- Share content easily with intuitive control panel.
- Visualize information from many sources to gain insight and solve problems.
- Facilitate decision making and increase productivity.

**Huddle Rooms - Conference Rooms – Classrooms**

### Advanced Analytics

- Make informed decisions considering all the data.
- Display complex, detailed data for all analysts and management personnel.
- Eliminate information silos.

**Operational Analytics Rooms – SCADA Rooms - Network Operations Centers – Smart City Centers**



## Communication Power

### Enhanced Digital Signage

- Deliver impactful messaging using a variety of rich media content.
- Display updates and announcements to both employees and customers

**Lobby Walls – Digital Signage – Menus**

### Live Audience Presentation

- Wow your audience with rich media content in unlimited resolution
- Bring many sources together in exciting presentations.
- Easily manipulate content for a stunning display.

**Company Meetings – Entertainment – Classrooms**



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