

Why Hiperwall?



Our Software Solves Key Challenges

PROBLEM SOLVING

Visualize data from many sources in the highest resolution to solve problems.

AWARENESS

Collaborate with remote locations for comprehensive situational awareness.

DECISION MAKING

See all information needed to make critical decisions quickly.

COLLABORATION

Facilitate collaboration and cooperation among teams for increased productivity.

IMPACT

Deliver impactful messaging and stunning presentations with ease.

Realize the Power of Distributed Visualization

Instead of using a single computer or server for processing, like traditional platforms, Hiperwall's unique and powerful 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



Advantages of Hiperwall Software

Distributed Visualization — As you add more computers, the power of your system grows.

AV over IP Infrastructure — Significantly reduces cost, complexity, space requirements, energy use, and cable clutter.

Hardware Agnostic — Use any commodity hardware that meets requirements for flexibility and cost savings.

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

Limitless Resolution — See the big picture ... in detail ... for better decision making and clearer communications.

Minimal training needed — Easy, intuitive control panel.

One stop solution with Hiperwall Certified PCs.



Hardware Agnostic vs Proprietary Systems

Hiperwall's Hardware Agnostic Approach

Pros:

- Easily expandable
- Hardware components readily available
- Flexible performance vs budget
- Potentially quick at integrating new technologies
- Simple to upgrade
- Easy to troubleshoot by onsite IT technicians

Cons:

- Potentially difficult to get the 'right' hardware

Proprietary Systems

Pros:

- Hardware and code are designed with one another in mind
- Streamlined troubleshooting - software and hardware support is covered by the same manufacturer

Cons:

- Difficult expansion
- No real standard on how things should operate (Each manufacturer will implement their own UI)
- Typically much more expensive.
- Troubleshooting is difficult, or expensive
- Difficult to upgrade
- New technology is difficult, if not impossible, to integrate
- Expensive maintenance

Hiperwall Vs The Other Guys

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Hardware-Based Distributed Visualization:

This type of system works by utilizing proprietary hardware devices or appliances connected to each display and to the network. Each source is also connected to a proprietary device, acting as an encoder, translating video into a stream on the network.

The user then works with a standard computer running proprietary control software to manage the same type of processing demonstrated by the single dedicated hardware processor but using much less specific hardware. Each display requires a proprietary device, but the network-based backbone offers the benefits mentioned above.



Vs.

Hiperwall's Software-Based Distributed Visualization:

Software-Based Distributed Visualization: This kind of system simply uses the same standard networking (and attendant benefits), but instead of proprietary hardware, uses software installed on off-the-shelf computers. This approach offers all the benefits of the network backbone, including eliminating distance limitations, low-cost infrastructure, and ease of installation, but removes all proprietary hardware requirements.












This means it can easily be upgraded as time goes on; there are no boxes to replace, just applications to update.

This type of solution is also infinitely scalable. One could dive deeper into specific features of each type of video wall processor, and inevitably there would be reasons why specific brands might be favored. However, it should be clear from this outline of overall architectures why distributed visualization, more specifically software-based distributed visualization, systems are the future of video walls.

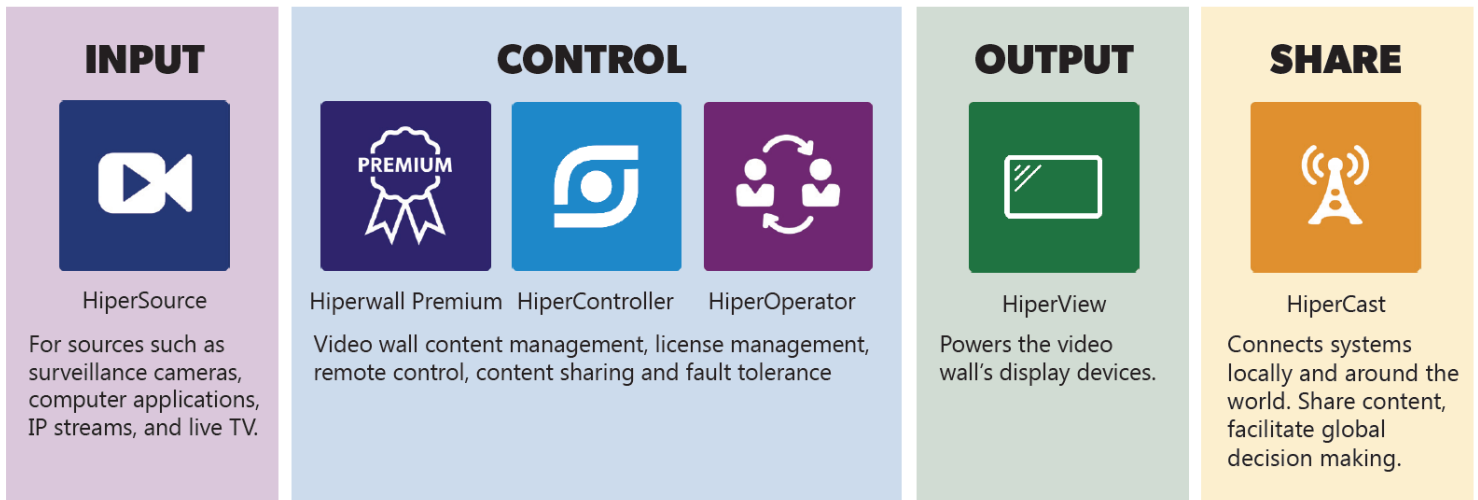
Users will always have personal preferences about technologies, but this type of approach truly does make video walls more cost effective, scalable, and easier to install, add another display, or another source.



Us vs Them!

												ActivU Visibility
Software Distributed Visualization	yes	no	no	no	no	no	no	no	no	no	no	no
Made In	USA	Canada	USA	China	Belgium	Canda	UK	USA	USA	Canada	Russia	USA
Cost	\$\$	\$\$\$	\$\$\$	\$\$\$	\$\$\$	\$	\$\$\$	\$\$\$	\$\$\$	\$\$\$	\$\$\$	
Multiple price options	no	expensive hdw		yes	expensive hdw	yes	yes - hardware options	yes		yes	yes	
IP-Based	Yes	No	Yes	No	No	Yes	No	yes	No	Depends on product	Yes	Yes
Max Source Resolution	Unlimited	4K	4K	4K	4K	8K	4K	8K	4K	4K	6K	
Multiple Users	Yes	yes	---	---	---	yes	---	yes	yes	yes	yes	yes
User Authentication	Yes	yes	---	---	yes	yes	---	---	---	yes	yes	
KVM Control	Yes	---	yes	---	yes	yes	yes	yes	yes	yes	---	yes
Multiple Video Wall Control	Yes	---	yes	---	---	yes	---	yes	---	---	---	yes
Advanced Scheduling	Yes	---	---	---	---	yes	---	yes	---	yes	yes	yes
API	Yes	---	yes	---	yes	yes	yes	yes	yes	yes	---	
Local / Remote Access	Yes	---	---	---	---	---	---	yes	---	---	yes	yes
Unrestricted Content Manipulation	Yes	---	---	---	---	---	---	---	---	yes	yes	yes
Multiple Simultaneous Sources	Yes	yes	yes	---	yes	yes	---	yes	yes	yes	yes	yes
Setup Complexity	Low	High	High	Medium	High	Low	High	High	High	High	High	
Server Location and Relay	Anywhere within LAN	Anywhere within LAN	Anywhere within LAN	Within 330' from Videowall	Anywhere within LAN	Anywhere within LAN	Within 330' from Videowall	Anywhere within LAN	Anywhere within LAN	Anywhere	Anywhere within LAN	Anywhere
Maximum Number of Displays	400+	128	56	16	64	100	32	tbd	tbd	56	tbd	
Seamless 24/7 Fault Tolerance	Yes	yes	---	---	yes	---	---	---	---	---	---	
Non-proprietary Hardware (Displays, PCs)	Yes	---	---	---	---	yes	---	no: sell four hardware based- processors and displays	hardware based solutions	hardware based	yes	yes
Touch Screen	No							yes				
Mix of Display Sizes and Aspect Ratios	Yes	---	yes	yes	---	yes	yes	yes	yes	---	---	
Mixed Display Orientation Support	Yes	---	yes	yes	---	yes	yes	---	yes	---	---	
Full Desktop/Browser Capture	Yes	---	---	---	---	yes	---	---	---	yes	yes	
Native Support for Real Time Content	Yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	
Drag'n'Drop Content Management	Yes	---	---	yes	---	---	---	---	yes	yes	yes	
Mobile Device Access	Yes	---	---	---	---	yes	---	---	---	yes	yes	
Cloud control	no							yes				yes

Hiperwall Software Basics



Hiperwall Certified PCs from Seneca



Hiperwall Certified PCs From Seneca Come Optimized for Extreme AV-Over-IP Video Wall Performance

- Part of the Arrow Intelligent Solutions group, Seneca provides a variety of ready-to-deploy, US-assembled Hiperwall Certified video wall controllers that are optimized for a range of video wall applications.
- Depending on use case, and video wall capabilities required, Hiperwall Certified PCs from Seneca can be custom built to address specific customer needs.
- Hiperwall Certified PCs from Seneca include a 39-month limited warranty



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All product specifications and pricing subject to change without notice.

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