

Hiperwall Systems

The Basic Foundation for a Video Wall

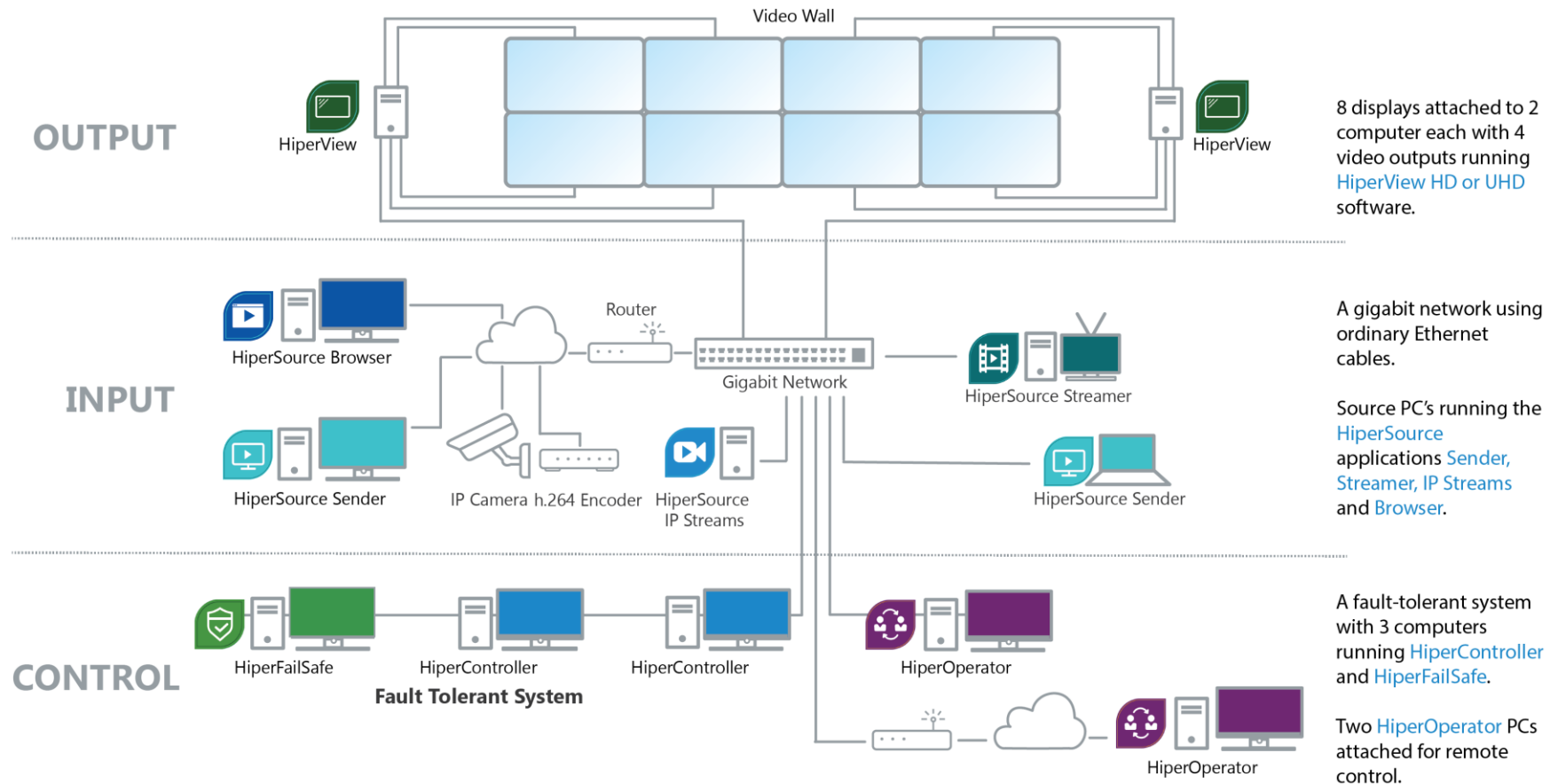
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Basic System Topology

Basic hardware architecture

Basic System Topology



Hiperwall Software

System Control and Source Input/Output Management



Hiperwall Software Basics

INPUT



HiperSource

For sources such as surveillance cameras, computer applications, IP streams, and live TV.

CONTROL



Hiperwall Premium



HiperController



HiperOperator

Video wall content management, license management, remote control, content sharing and fault tolerance

OUTPUT



HiperView

Powers the video wall's display devices.

SHARE



HiperCast

Connects systems locally and around the world. Share content, facilitate global decision making.

HiperSource – Input Management



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 web pages. 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.

HiperController – Video Wall Controller Software



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.

HiperController Add Ons:

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 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



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.

Hiperwall Premium Suite



Hiperwall Premium 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	✓					

Advanced Control Applications Add Ons



HiperOperator Software enables 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 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.*

HiperView – Output Management



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.



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.

Hiperwall Hardware

Certified Hardware From Seneca



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](#)

Hardware – Hiperwall Control PC

- Hiperwall Certified Seneca VWC-Mini
 - SKU: HW-CONTROL-R
- This PC serves as the brain of the total system, and its sole purpose is to run HiperController software.
- Specs:
 - CPU: Intel Core i5-10500
 - RAM: 2x4GB
 - STORAGE: 250GB SSD
 - GPU: Intel UHD 630
 - FORM FACTOR: 1U - Rack Mount
- Notes:
 - These are the base specs: CPU, Storage, RAM and GPU can be upgraded based on customer needs.



IP address and host names can be custom configured and pre-imaged prior to shipment at no additional cost.

Hardware – Hiperwall HiperView PC

- Hiperwall Certified Seneca VWC-Mini
 - SKU: HW-HIPERVIEW-R
- These PCs are designed to smoothly feed video content to the video wall displays.
- Specs:
 - CPU: Intel Core i5-10500
 - RAM: 2x4GB
 - STORAGE: 250GB SSD
 - GPU: Nvidia Quadro P620
 - FORM FACTOR: 1U - Rack Mount
 - DRIVES UP TO 4 DISPLAYS
- Notes:
 - These are the base specs: CPU, Storage, RAM and GPU can be upgraded based on customer needs.



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Hardware – Hiperwall HiperView LED PC

- Hiperwall Certified Seneca VWC
 - SKU: HW-HIPERVIEW-LED
- These PCs are designed to smoothly feed video content to an dv-LED video wall.
- Specs:
 - CPU: Intel Core i7-10700
 - RAM: 2x8GB
 - STORAGE: 250GB SSD
 - GPU: Nvidia Quadro RTX4000 + Nvidia Sync ii (*optional*)
 - FORM FACTOR: 2U - Rack Mount
- Notes:
 - These are the base specs: CPU, Storage and RAM can be upgraded based on customer needs.



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Hardware – Hiperwall HiperSource Streamer W/O Cap Inputs

- Hiperwall Certified Seneca VWC-Mini
 - SKU: HW-STREAM-R
- Supports video streaming from a PC. Allows for high frame rates and resolution up to 4K.
- Specs:
 - CPU: Intel Core i5-10500
 - RAM: 2x4GB
 - STORAGE: 250GB SSD
 - GPU: Nvidia Quadro P2000
 - CAPTURE CARD: N/A
 - FORM FACTOR: 1U - Rack Mount
- Notes:
 - These are the base specs: CPU, Storage, RAM and GPU can be upgraded based on customer needs.



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Hardware – Hiperwall HiperSource Streamer w/ 1 Cap Input

- Hiperwall Certified Seneca VWC-Mini
 - SKU: HW-STREAM1C-R
- Supports video streaming from a single capture port and PC. Allows for high frame rates and resolution up to 4K.
- Specs:
 - CPU: Intel Core i5-10500
 - RAM: 2x4GB
 - STORAGE: 250GB SSD
 - GPU: Nvidia Quadro P2000
 - CAPTURE CARD: Magewell Pro Cap HDMI
 - FORM FACTOR: 1U - Rack Mount
- Notes:
 - These are the base specs: CPU, Storage, RAM and GPU can be upgraded based on customer needs.



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Hardware – Hiperwall HiperSource Streamer w/ 2 Cap Inputs

- Hiperwall Certified Seneca VWC-Mini
 - SKU: HW-STREAM2C-R
- Supports video streaming from two capture ports and PC. Allows for high frame rates and resolution up to 4K.
- Specs:
 - CPU: Intel Core i5-10500
 - RAM: 2x4GB
 - STORAGE: 250GB SSD
 - GPU: Nvidia Quadro P2000
 - CAPTURE CARD: Magewell Pro Cap Dual HDMI
 - FORM FACTOR: 1U - Rack Mount
- Notes:
 - These are the base specs: CPU, Storage, RAM and GPU can be upgraded based on customer needs.



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Hardware – Hiperwall HiperSource Streamer w/ 4 Cap Inputs

- Hiperwall Certified Seneca VWC-Mini
 - SKU: HW-STREAM4C-R
- Supports video streaming from up to four capture ports and PC. Allows for high frame rates and resolution up to 4K.
- Specs:
 - CPU: Intel Core i5-10500
 - RAM: 2x4GB
 - STORAGE: 250GB SSD
 - GPU: Nvidia Quadro P2000
 - CAPTURE CARD: Magewell Pro Cap Quad HDMI
 - FORM FACTOR: 1U - Rack Mount
- Notes:
 - These are the base specs: CPU, Storage, RAM and GPU can be upgraded based on customer needs.



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Hardware – Hiperwall HiperSource Streamer w/ 8 Cap Inputs

- Hiperwall Certified Seneca VWC
 - SKU: HW-STREAM8C-R
- Supports video streaming from up to eight capture ports and PC. Allows for high frame rates and resolution up to 4K.
- Specs:
 - CPU: Intel Core i5-10500
 - RAM: 2x4GB
 - STORAGE: 250GB SSD
 - GPU: Nvidia Quadro P2000
 - CAPTURE CARD: 2x Magewell Pro Cap Quad HDMI
 - FORM FACTOR: 2U - Rack Mount
- Notes:
 - These are the base specs: CPU, Storage, RAM, GPU and Capture Cards can be upgraded based on customer needs.



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Hardware – Hiperwall IPStream/Browser PC

- Hiperwall Certified Seneca VWC-Mini
 - SKU: HW-IPBROWSER-R
- Designed to bridge IP stream sources (such as IP cameras or h.264 encoders) to a video wall or bring web pages into your Hiperwall system.
- Specs:
 - CPU: Intel Core i7-10700
 - RAM: 16GB
 - STORAGE: 250GB SSD
 - GPU: Intel UHD 630
 - FORM FACTOR: 1U - Rack Mount
 - UP TO 25 IP STREAMS OR WEBPAGES
- Notes:
 - These are the base specs: CPU, Storage and RAM can be upgraded based on customer needs.



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Questions?

Please Contact Steve Woo at swoo@hiperwall.com

