VIDEO WALL AND DISTRIBUTED VISUALIZATION SOFTWARE

NEC Video Wall System

“Our 100% Software Solution
Powerful, Flexible with Affordable Fault Tolerance”

Introduction

NEC Video Wall System

NEC video wall system is software that powers the most cutting-edge video walls and distributed visualization systems available today. From brilliant video displays to important command and control installations, Video Wall system provides clear global communications, improves customer impact, and facilitates critical decision making.

NEC Video Wall System Advantages

- **Hardware agnostic**
  Video walls and distributed visualization systems built using Video Wall system can be assembled with any brand of display, PC and network gear. You can even repurpose existing hardware.

- **Future proof**
  Because NEC Video Wall software is hardware agnostic, you don’t have to worry that the next technology will obsolete your system. Whether it’s new display technology, or just the need for a bigger video wall, we’ve got you covered.

- **Limitless resolution**
  See the big picture … in detail … for better decision making and clearer communications. There’s no limit to the source resolution you can display -- exhibit high-resolution content, even gigapixel content, at an industry-leading resolution of more than one billion pixels.

- **Budget friendly**
  You don’t need to buy expensive proprietary hardware. Video Wall system will work with any of today’s standard displays and PC systems. Start small and expand your installation later. Network architecture makes it easy to install, so you save time, too.

- **Fail safe**
  With two controllers working simultaneously you are protected. If one system goes down for any reason, the other takes over seamlessly. This is fault tolerance you can’t afford to pass up. Available exclusively with our Video Wall Premium software suite.

- **Design freedom**
  You have complete design control of your video wall for clearer communications and improved decision making.
NEC Video Wall Suites

**Video Wall Premium Suite**

Our top-of-the-line, fail-safe Video Wall Premium Suite includes dual controllers working in tandem to provide fault recovery with no down time. This is the video wall solution you can’t afford to pass up.

**Video Wall Core Suite**

Video Wall Core Suite is the entry level system that provides core Video Wall capability. It’s ideal for basic installations.

**Suite Components**

**Video Wall Controller Software and User Interface**

Our management software and user interface gives you the ability to control what, where, how and when content is displayed. The user interface shows you a representation of your entire network. As you add, move, resize and change content on the user interface, the same things happen on your video wall, distributed visualization system or other display device in real time.

**Video Wall Premium Controller**

Video Wall Premium Controller software includes two control points that run simultaneously. If one fails, the other ensures continuous operation of the Video Wall system. You also get Custom Configuration capability, an API, and Keyboard Video Mouse control. All these features are exclusive to Video Wall Premium Controller.

**Video Wall Core Controller**

Video Wall Core Controller software is our entry-level product for simple video wall applications.

**NECView Software**

NECView Software powers the video wall’s monitors or display devices that show content to the viewer. Each display is managed by an ultra-small, low-cost, display-attachable computer running NECView software. NECView is available in HD and UHD versions.

**NECSource Software**

NECSource Software delivers live content to the video wall whether it’s from desktop capture, IP camera streams, capture card input or video files. NECSource software allows you to view almost any application running on almost any computer. There is no need to modify your existing hardware or software. The content can be delivered from any source across the Internet and on the local network.

**NECOperator Software**

NECOperator Software provides remote access from one or multiple work stations located anywhere in the world giving you the ability to provide support and manage the look and feel of your video wall from distant locations. The NECOperator software has a drag-and-drop interface, similar to the Video Wall Controller, eliminating the need for specialized training.
Features

Custom Configuration: Allows multiple physical video walls as part of a single system. Supports unique and artistic wall configurations including portrait displays.

KVM: (Keyboard Video Mouse) Empowers the controller operator to interact and control with PC sources. For situations where PC sources are remote, KVM gives the controller operator added power and flexibility.

API: An external interface provides the ability to control many functions of the Video Wall system from external applications or devices, such as, AMX, Crestron and other control systems, scripting languages, tablets, and smart phones. For example, write a short program that provides one-touch operation of your wall via Crestron, or create an event-triggered emergency stop button. It’s as simple as writing in XML.

Animation: Animation allows the user to define movement and changes of content quickly and easily without rendering. On the fly, you can move an object across a path of your choice. Change the size, rotation, transparency and other visual effects. Make your digital signage pop!

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

Powerful Content Manipulation: Video Wall system’s content manipulator works in real-time showing finished content as it appears on the wall with no lag.

- Location: Move any content to any location
- Size: Resize any content to any size
- Zoom: Zoom and magnify content
- Rotation: Rotate content to any orientation
- Transparency: Adjust content transparency
- Shading: Content color shading and filters
- Cloning: Multiple independent copies of any content

SmartSnap™: Automatically maximizes content to display boundaries. Set up display content in seconds. Make use of all the real estate available.

Schedule and Restore: Content can be arranged and saved as “environments” and restored on demand, grouped into slideshows, or scheduled to appear at any time.

Slide Show: Set content to automatically change from one view to the next. Works with any content, including live sources, movies, text, and images. Attractive transitions, overlays and background are included in Slide Show. Achieve professional results with easy to use controls.

NECCast Software

NECCast software is sold separately. NECCast software enables users to share live feeds, information and other content between NEC Video Wall systems located around the world. With NECCast software installed there are many exciting possibilities for enhanced communication and collaboration. For example, content can be shared quickly between multiple locations or divisions of a large company or organization.