

NEC Display Solutions

Control Room Display Solutions

Data driven visualization for safety & security

Recent terror attacks and the ever increasing number of cyber attacks demonstrates that threats to our safety and security are becoming more and more complex. The volume, speed and diversity of information which needs to be processed by physical security systems is growing exponentially.

The term 'Big Data' not only refers to the huge volume of available information, but also to the processes required to structure and analyse it. Whilst rapidly advancing, today's security technology cannot be expected to tackle threats without the input of a human element. Whatever the technical support required, the final evaluation of the data in any specific context, and the classification of any situation, must be the responsibility of a human operator.

Visualisation is the essential element in human perception. The application of the latest technologies supporting swift situational awareness enables stakeholders to collaborate efficiently and to drive coordinated action from multiple partners. In this way, an improved Operational Intelligence will result in higher quality and greater speed of decision making.

NEC's Data Driven Visualisation approach to Control Room solutions effectively contributes to improved risk management and shorter reaction times, resulting in a clear definition of operational targets and consequently to interventions perfectly tailored to any specific situation.



Benchmark

The efficiency of visualisation depends on the following major criteria:

- Outstanding high performance system availability for permanent 24/7 availability of information
- Supreme performance of the entire information system based on the latest network technologies and distributed computing intelligence

NEC's commitment

Based on our deep understanding of relevant markets and applications as well as on our long time experience as a market leading industry partner, we respond to the challenges addressed by offering the following:

- The widest portfolio of visualization products on the market
- Outstanding product engineering resulting in best reliability even for mission critical applications, widely recognised by the markets
- Control room solutions designed for 24/7 operation
- Tested and proven compatibility of all NEC hardware and software products
- A robust, long term, customer focused product and service support

By providing future proof technologies and products, we contribute to our customers' investment sustainability and efficiency

Our product portfolio covers all typical visualisation requirements ranging from stand-alone solutions for video surveillance and process control to complex and integrated multifunctional control rooms, whatever the vertical market.

VIDEOWALL DISPLAYS	X UN Series	Professional Video Wall LED Backlit Displays	Video Wall displays combine professional 24/7 performance and features with direct LED backlighting. UN displays for best viewing performance with narrow bezel serving just 1.8mm pixel to pixel.
	UN Series		
LARGE FORMAT DISPLAYS	P Series	Professional Large Format Displays	From the class leading P Series to the XUHD Series providing UHD resolution performance and extraordinary SpectraView colour processing. NEC has the range choice to be the go-to supplier for Large Format Displays.
	UHD Series	"Pixel free" UHD Professional Displays	
DESKTOP DISPLAYS	PA Series	Professional Advanced P-IPS High Quality Displays	An extensive range of displays, with the quality that NEC is known for are ideal for use in the control environment. When 24/7 is key for your business, PA and EX displays are the best of choice. The ultra-thin bezel EA and EX Series reduce the footprint to a minimum without compromising on screen size.
	EA Series	Enterprise Advanced Ergonomic Displays	
	EX Series	Enterprise Ergonomic Displays	
LASER INSTALLATION PROJECTORS	PX Series	Professional Laser Installation Projectors	Built to the high specifications associated with our Professional Large Format Displays, NEC Laser Projectors combine precision image quality with advanced networking and operational image enhancement features.
	PA Series		
CONTENT MANAGEMENT	Hiperwall	Video Wall Content Management Solution	Hiperwall enabling users to examine content with increased flexibility and effectiveness. Content can be saved as environments and restored on demand, grouped into slideshows, or scheduled to appear at the present time.
OPTIONS	OPS Slot-In PC	Enhance Large Format Displays and Projectors with integrated PC performance or Interface Cards.	For video wall and large format display products there are options, such as front service mounts, integrated OPS solutions including a range of PC's, HD-SDI, and HDBaseT option. NEC also provides a calibration kit to ensure continued high performance of the displays across a videowall.
	Mounts	Individual and Video Wall mounts in a range of configurations	
	Accessories	Calibrators, Stands and Miscellaneous Add-on Devices	

Video Wall Content Management System, based on OPS Slot-In option and Hiperwall Software

Based on Hiperwall Software and the OPS Slot-In option (OPS - Open Pluggable Specification), we offer a fully IP based Video Wall Content Management System which enables the operator to manage a vast amount of information to visualize crucial real-time content. Enjoy maximum flexibility to zoom and position the content as required, for any specific situation, whilst maintaining full control over all data sources.

Whatever your future control room requirements might be; OPS and Hiperwall are designed to make future enhancements possible with minimal additional investment. This might include additional data sources, more powerful processing or a larger display canvas for example.



Our Control Room Partner DAS UK offers a complete point of Control Room design

DAS UK (www.dasbf.com) offers an independent comprehensive range of services from structured analyses of operational needs through to detailed control room design.

Concerns addressed may include operational needs, task analysis, potential for human error, situational awareness, criticality and priority of information displayed, safety barrier management, event velocity, minutes of arc, information overload, information clarity, layout and style guides, viewing angles, viewing distances and maintenance requirements.



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