

Welcome to the
AV Technology's Tech
Manager's Guide to
Inspired Video Walls
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F U T U R E



Inspired Installations

Case studies of cutting-edge video walls in various verticals

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HEADQUARTERS

Making the Grade with Multimedia Technology

Headquartered in Phoenix, AZ, Helios Education Foundation is a philanthropic organization dedicated to helping individuals achieve success in postsecondary education—primarily working with underserved first-generation students and minorities. It recently found it needed a much larger and more technologically advanced headquarters to enable its goals of increased community collaboration and organizational growth and expansion. Helios engaged AV consulting firm NV5 (formerly The Sextant Group), as well as design and integration firm Spinitar to bring their dreams to life, with assistance from other trusted experts and organizations such as RP Visual Solutions (RPV), Sharp/NEC, and Crestron. The project strongly features and leverages technology from NEC in some truly creative ways.

Sharp/NEC displays are designed to be not only easy and intuitive for users, but also platform agnostic. This allows them to work seamlessly with multiple programs and software solutions—including presentation programs, collaborative audio-video conferencing systems, automation platforms, and more. For example, the boardroom, large conference room, and executive conference room feature wall-mounted 98-inch NEC Ultra High Definition 4K Commercial Displays that support wireless media sharing, presentations, and videoconferencing.

One of the crowning technological achievements in this project is the Helios Decision Theater—featuring seven 98-inch NEC C981Q Ultra High Definition Commercial Displays. Spinitar worked closely with mounting solution partner RPV to create a custom mounting structure for a visually spectacular curved array of NEC Flat Panels that arc in front of a seated audience. “RPV was pleased to work with Spinitar and Sharp/NEC on this extremely specialized display element,” said James Fife, consultant extension with RP Visual. “RPV’s custom ‘swing-mount’ support structure provided optimal alignment, ease of service access, and long-term stability for the large displays.”

With the help of technology partners and providers, Helios Education Foundation was able to achieve its goal of combining sustainable architecture with innovative audiovisual solutions. And with products such as displays from Sharp/NEC, this campus will inspire community collaborations and student success for generations to come.



Photo: Sharp NEC

New Products

The latest video wall solutions from top brands

Sharp NEC

NEC's 55-inch UN552S provides high-quality color reproduction in video wall environments. Direct LED backlighting and factory calibration for brightness intensity, gamma, uniformity, white point, and RGB allow for ideal panel settings and an easy, out-of-the-box experience. Brand new panel technology minimizes the bezel gap of this display—allowing for less than 1.0mm distance between adjacent displays, with a 0.44mm even and near bezel-less design per unit. This display is integrated with the proprietary SpectraView Engine, which not only allows for ultimate color control but also for increased color calibration capabilities—including white copy, self-calibration to an external sensor, and manual CIE chromaticity adjustment for maximum control when color matters most. This display also includes both a DisplayPort and an HDMI Out connections for daisy chaining signals up to 4K UHD.

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