



LED Display Case Study

ViewSonic's All-in-One LED Display Elevates Learning and Events at Pacific American School

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“The ViewSonic All-in-One LED Display is a valuable asset, enhancing a variety of school events, such as Christmas performances, sports practices, and the annual Academic Showcase.”

- Pamela Chu, Head of Pacific American School

Pacific American School

- Location: No. 307, Section 1, Xinglong Road, Zhubei, Hsinchu County, Taiwan
- Interviewed: Pamela Chu (Head of School), Ben Tsai (IT Administrator), Mary Toh & Rao Li-Cheng (Team Coach), Timothy Huang & Clare Wu (Student)
- Industry: Education



Challenge

1. Need for seamless, high-quality visual displays across diverse event settings e.g., robotics competitions, performances, showcases.
2. Requirement for multi-angle, real-time views to assist students, coaches, and advisors during competitive matches.
3. Limited technical resources and on-site support, making complex installation and operation challenging.

Solution

1. [LDM163-182 All-in-One LED Display](#): provide a seamless 163" large screen with high brightness and built-in speakers, featuring All-in-One integration and a floor stand for easy setup without professional assistance.
2. [ViewShare WPD-900](#): offer a stable, wireless screen casting solution, enabling hassle-free content sharing during live events and school activities.

Result

1. IT team was able to complete setup without specialized training or external vendors.
2. High-resolution, multi-angle visuals enabled quick troubleshooting and enhanced the livestreaming experience during robotics competitions.
3. The solution empowers a wide range of school events, from academic showcases and team practices to holiday performances.

Full Story

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Pacific American School is committed to nurturing a forward-thinking learning environment.



The VEX Robotics Competition required a high-resolution display for clear, multi-angle visuals to support real-time strategy and analysis.

Background

[Pacific American School](#) is committed to nurturing a forward-thinking learning environment where students are encouraged to think outside the box. Through dynamic programs, students engage in hands-on projects that simulate real-world challenges. One of the school's flagship activities, the VEX Robotics Competition, goes beyond technical training. It serves as a global platform for teamwork and cross-cultural communication, bringing together students from diverse countries and backgrounds. By promoting collaboration, cultural exchange, and shared experiences, the school strives to inspire and empower the next generation of leaders in STEM and beyond.

Challenge

As Pacific American School continued to expand its experiential learning programs and host dynamic events like the VEX Robotics Competition, the need for a seamless, high-quality visual solution became increasingly clear. From robotics competitions and academic showcases to holiday performances, these events often occurred at varying times and in different locations throughout the campus—including the school's central atrium—which serves as a multi-functional space for both formal presentations and casual gatherings.

Given the non-fixed nature and timing of these activities, the school needed a display solution that could be deployed quickly and flexibly without heavy technical setup. In particular, during robotics matches, students, coaches, and advisors required real-time, multi-angle views to monitor performance, identify mechanical issues, and make quick strategic decisions. However, the school faced limited technical resources and lacked dedicated on-site AV support, making traditional fixed or complex systems impractical for their evolving needs. A more adaptive, intuitive solution was essential to keep up with the pace and diversity of school life.

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With the floor stand, the LDM163-182 is easy to move and set up across campus locations, allowing even students to handle it independently.



With one simple click, the display is ready to use—no complex configuration required.

Solution

To meet the school's needs for flexibility, ease of use, and professional-grade visuals, Pacific American School adopted the ViewSonic LDM163-182—an all-in-one LED display solution featuring a seamless 163" grid-less screen with high brightness, built-in speakers, and integrated design for effortless installation. Paired with an optional floor stand, the display could be easily relocated and set up in various campus locations, including the central atrium, enabling dynamic support for a wide range of school events.

During the VEX Robotics Competition, the display delivered real-time, multi-angle visuals, allowing students and coaches to clearly observe match progress, identify mechanical issues, and adjust strategies in the moment.

To further enhance wireless connectivity and simplify content sharing, the school also implemented the ViewShare WPD-900—a plug-and-play presentation solution that enabled smooth screen casting from mobile devices without the need for complex setup or cabling. Together, these solutions empowered the school to deliver professional-grade visual experiences anytime, anywhere, even with minimal technical resources.



The ViewShare WPD-900 enables effortless content casting from mobile devices to large screens with a simple connection.

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The LDM163-182 and WPD-900 improved the efficiency of cheerleading training through better visibility and seamless content casting.



The display supported the school's Christmas performance, enhancing audience engagement and visual impact.

Result

The implementation of ViewSonic's LDM163-182 and ViewShare WPD-900 brought immediate, tangible benefits to Pacific American School. During the VEX Robotics Competition, the high-resolution, large-format display provided clear visuals, enabling students and coaches to monitor match progress and troubleshoot issues in real time—greatly enhancing engagement and in-the-moment performance.

Beyond competitions, the display also supports school team training, including cheerleading practices. Previously, teams relied on small screens to review practice footage, often struggling with limited visibility and repeated instructions due to narrow viewing angles. With the 163" large-format display, entire teams could watch recordings together, allowing coaches to easily highlight technical errors and form inconsistencies. The ability to analyze multiple groups simultaneously significantly improved training efficiency within limited timeframes. The integration of the ViewShare WPD-900 further enhanced convenience—coaches could wirelessly cast practice videos directly from their smartphones, enabling instant feedback and on-the-spot adjustments.

In addition, the display continued to support a wide range of school events, from academic showcases to seasonal performances. The solution enabled the school to deliver high-impact visual experiences across all types of activities, while maintaining operational simplicity and deployment flexibility.



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- Pamela Chu, Head of Pacific American School



"This helps us see mistakes and make adjustments more effectively."

- Clare Wu, Cheerleading Captain



Thank You