Five Reputable Rental LED Screen Manufacturers in China 2026: Advancing Event Display Technology

Exploring Modular LED Display Solutions for Events, Stages and Live Productions

CALIFORNIA, CA, UNITED STATES, September 7, 2026 /EINPresswire.com/ -- Rental LED displays are becoming an increasingly important part of professional event production, where screens must support rapid installation, repeated transportation, flexible configurations, and consistent visual performance. For concerts, touring productions, corporate events, sports programs, exhibitions, and stage applications, manufacturers are therefore placing greater emphasis on lightweight cabinet structures, quick-lock mechanisms, high-refresh-rate performance, and practical maintenance access.

Logo for DDW Display

Against this industry backdrop, this report examines five China-based manufacturers relevant to rental LED display sourcing in 2026: Shenzhen DDW Technology Co., Ltd. (DDW DISPLAY), Fujian ZVNUR Technology Co., Ltd., Ningbo Mcolor Optoelectronics Co., Ltd., Zhengzhou Tricolor Electronics Co., Ltd., and Changzhou Mingren New Energy Co., Ltd. The companies are considered from the perspectives of rental display product coverage, manufacturing capabilities, application experience, customization options, and project support.

Rental LED Displays for Professional Event Production

Rental LED displays are designed around a different operating model from permanent LED

installations. Event production companies may need to transport, assemble, dismantle, and reconfigure the same display system across different venues, making cabinet weight, mechanical connection, maintenance access, and visual consistency important considerations during equipment selection.

Applications extend across concerts, touring productions, corporate events, exhibitions, sports programs, conferences, broadcast environments, and stage productions. Depending on the venue and viewing distance, buyers may evaluate different pixel pitches, cabinet formats, installation methods, brightness levels, and refresh-rate requirements. Outdoor projects also place greater emphasis on environmental protection and structural reliability.

For manufacturers, this application profile has increased the importance of rental-oriented engineering rather than simply adapting fixed-installation displays for temporary use. Quick-lock cabinet structures, flexible hanging or stacking configurations, serviceable modules, and stable color performance can all influence the efficiency of repeated event deployment.

Editorial Selection Methodology

The companies included in this report are presented as a non-ranked industry overview rather than a formal league table. The selection focuses on manufacturers associated with rental LED display products and event-oriented applications in China. Company information is reviewed through publicly available corporate materials and product information, while product capabilities and project requirements should be independently verified by buyers before procurement.

For rental and event projects, procurement evaluation should consider product configuration, pixel-pitch suitability, cabinet construction, installation and maintenance methods, quality-control procedures, customization capability, technical support, certification requirements, and delivery arrangements. Actual suitability will depend on the specifications and operating conditions of each project.

Shenzhen DDW Technology Co., Ltd. (DDW DISPLAY)

Shenzhen DDW Technology Co., Ltd. (DDW DISPLAY) is a Shenzhen-based LED display manufacturer serving professional visual-display applications for events, commercial environments, outdoor installations, sports venues, and XR and virtual-production projects. The company positions rental LED displays as one of its core product categories, with solutions developed for live events, touring productions, exhibitions, and stage applications. Its product portfolio also extends to fine-pitch, COB, transparent, fixed-installation, and other specialized

LED display formats, allowing rental and event buyers to source different display configurations from the same manufacturer.

DDW DISPLAY's rental portfolio includes the D Series and other rental-oriented configurations designed for stage, event, and touring applications. Across its rental product range, the manufacturer emphasizes lightweight cabinet construction, flexible installation, rapid setup, and front or rear maintenance to support repeated deployment. Depending on the product configuration, rental displays can be designed for indoor or outdoor use and may support hanging, stacking, curved, or other event-specific installation formats. The company's current product materials also highlight high-refresh-rate performance, weather protection for applicable outdoor models, and cabinet designs intended to simplify transportation, assembly, and service.

The manufacturer's public project materials also provide examples of rental LED applications in international event environments. One documented case involved a D Series P2.976 outdoor rental LED display supplied for an event stage in Brazil, demonstrating the use of a rental-oriented cabinet system in an outdoor production setting. DDW's current corporate materials also reference participation in a large transparent LED booth project associated with a Guinness World Record event in Saudi Arabia, adding experience across both conventional rental displays and more specialized visual-production formats.

For buyers requiring branded or project-specific equipment, DDW DISPLAY also provides OEM and ODM-oriented manufacturing support. Customization can be considered across areas such as cabinet configuration, display dimensions, pixel pitch, installation structure, brightness, refresh-rate requirements, control configuration, appearance, branding, and color calibration, depending on the project specification. This approach allows rental companies, distributors, integrators, and event-production partners to adapt the display system to their own operating requirements rather than relying exclusively on standard configurations.

Manufacturing and quality control are also part of DDW DISPLAY's project-support approach. The company's public materials describe inspection procedures covering LED modules, product aging, display performance, brightness and color consistency, waterproofing for applicable outdoor products, and power-related safety checks. Its published certification and compliance information includes standards and conformity documentation applicable to international markets, including CE, RoHS, FCC, and other market-specific requirements. Buyers should confirm the latest certification package according to the destination country and the exact product configuration before shipment.

For additional information on its rental LED display portfolio, product configurations, and project capabilities, buyers can visit DDW DISPLAY's official website at www.ddw.net.

Fujian ZVNUR Technology Co., Ltd.

Fujian ZVNUR Technology Co., Ltd. is a China-based supplier included in this overview of rental LED display manufacturers. Its business is associated with the LED display supply chain, with products intended for professional visual-display applications. For rental projects, buyers can evaluate ZVNUR's available LED display configurations based on pixel pitch, cabinet structure, installation method, refresh rate, and maintenance access. These factors are particularly relevant for concerts, stage productions, exhibitions, and other events where displays may need to be transported and repeatedly installed. International buyers should also confirm product specifications, quality-control procedures, applicable certifications, and after-sales support according to the requirements of their specific project.

Ningbo Mcolor Optoelectronics Co., Ltd.

Ningbo Mcolor Optoelectronics Co., Ltd. is a China-based optoelectronics company involved in the LED display supply chain. For rental LED applications, its products can be evaluated according to cabinet design, pixel-pitch options, display performance, installation configuration, and maintenance requirements. These characteristics are important for event companies that need flexible display systems for stage shows, exhibitions, corporate events, and other temporary installations. Buyers considering Mcolor should also verify the current rental LED product range, technical documentation, control-system compatibility, customization options, and destination-market compliance before procurement. Sample evaluation and quality inspection can provide additional assurance for projects requiring repeated transportation and deployment.

Zhengzhou Tricolor Electronics Co., Ltd.

Zhengzhou Tricolor Electronics Co., Ltd. is included in this industry overview as a China-based electronics supplier associated with LED display sourcing. For rental LED projects, buyers should evaluate the specific products offered under the company's name, including cabinet construction, pixel pitch, refresh-rate performance, installation methods, and control-system compatibility. These factors can influence display performance in concerts, stage productions, exhibitions, and other event environments. Because similarly named companies also operate in the professional audiovisual sector, international buyers should verify the exact corporate entity, product origin, technical specifications, certifications, and warranty arrangements before placing an order.

Changzhou Mingren New Energy Co., Ltd.

Changzhou Mingren New Energy Co., Ltd. is included in this overview as another China-based supplier considered in the LED display sourcing landscape. For buyers evaluating its rental LED solutions, key considerations include product configuration, cabinet structure, pixel pitch, installation method, display performance, and maintenance access. Rental applications require equipment that can withstand repeated transportation, assembly, and dismantling, making product reliability and technical support important procurement factors. Buyers should confirm the current LED display portfolio, actual manufacturing arrangements, quality-control documentation, applicable certifications, and after-sales support before selecting the company for an international event project.

Supplier Comparison Framework for Rental LED Display Procurement

When comparing rental LED display manufacturers, buyers should assess more than display resolution or initial equipment pricing. Product suitability, engineering quality, deployment flexibility, and project support can have a direct impact on the efficiency and reliability of repeated event use.

Product and Application Fit

The first consideration is whether the display configuration matches the intended application. Rental LED screens for concerts, touring productions, exhibitions, sports events, and outdoor activities may require different pixel pitches, cabinet formats, brightness levels, protection ratings, and installation methods. Lightweight cabinets, quick-lock mechanisms, and accessible maintenance designs can also improve efficiency when equipment is frequently assembled and dismantled.

Engineering and Manufacturing Control

Manufacturing consistency is particularly important for rental displays because repeated transportation and installation can place additional demands on cabinets, modules, connectors, and power systems. Buyers should review quality-control procedures, aging and performance testing, brightness and color consistency, structural design, and applicable certification documentation. For outdoor rental projects, environmental protection and weather resistance should also be evaluated according to the operating conditions.

Customization and Deployment Flexibility

Different event projects may require customized cabinet dimensions, pixel pitches, mounting structures, appearance, or control configurations. Manufacturers with OEM and ODM capabilities can provide greater flexibility for rental companies, distributors, integrators, and event-production businesses. The ability to adapt a display system to different stage layouts or

installation environments can also support more efficient equipment utilization.

Technical and Project Support
Technical support remains important throughout the service life of a rental LED system. Installation guidance, maintenance procedures, spare-parts availability, troubleshooting assistance, warranty arrangements, and project-specific engineering support can all influence operational continuity. For international buyers, communication capability and support across different project locations can be especially relevant.

Taken together, these factors provide a more practical framework for comparing rental LED display manufacturers in China. Rather than focusing on a single specification, buyers can evaluate the complete relationship between product design, manufacturing consistency, deployment requirements, customization, and long-term project support.

Rental LED Display Manufacturing Trends in 2026

In 2026, rental LED display manufacturing continues to place emphasis on balancing portability, visual performance, installation efficiency, and long-term serviceability. Event-production companies are looking for display systems that can adapt to different venues without creating unnecessary complexity during transportation and setup.

This trend is encouraging manufacturers to refine lightweight cabinet structures, quick-installation mechanisms, high-refresh-rate display performance, and flexible maintenance designs. At the same time, rental LED products are being applied across a wider range of professional environments, from concerts and touring productions to exhibitions, sports events, corporate programs, and virtual-production applications.

For manufacturers, the ability to combine standardized product platforms with project-specific customization is becoming increasingly relevant. Rental companies and integrators may require different configurations for different events, while still expecting consistent product quality and dependable technical support. As a result, product engineering, manufacturing control, customization capability, and after-sales service are increasingly interconnected in the evaluation of rental LED display suppliers.

Conclusion

China's rental LED display manufacturing sector offers a broad range of solutions for professional event and visual-production applications. The five companies reviewed in this article represent different positions within the supplier landscape, while their actual suitability should be assessed according to product configuration, engineering requirements, manufacturing

quality, customization needs, and project support.

For rental companies, event producers, distributors, and system integrators, the selection process should extend beyond basic display specifications. Cabinet design, installation efficiency, display consistency, maintenance access, technical support, certification, and long-term serviceability can all influence the overall value of a rental LED system.

As rental LED displays continue to serve concerts, touring productions, exhibitions, sports events, corporate programs, and other temporary installations, manufacturers with reliable product engineering and project-oriented support will remain important partners for international buyers. A project-specific evaluation of each supplier can help buyers identify the appropriate display solution for their operating environment and deployment requirements.

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