

MOK Series

MICROLED CLOUD-BASED OUTDOOR KIOSK



INNOVATIVE MICROLED CLOUD-BASED OUTDOOR ADVERTISING DISPLAY SOLUTION

Leyard MicroLED cloud-based outdoor GOB advertising display integrates the ultra high definition display advantages of MicroLED technology, while also incorporating a cloud-based intelligent management system, bringing innovation in both visual effect and management to the outdoor advertising field. Available in multiple sizes, these displays can be seamlessly tiled together to create custom configurations, supporting various installation methods. This product is an ideal choice for outdoor advertising due to its ultimate display effect, efficient management, and strong environmental adaptability.



Flexible Multi-Size Modular Display Solutions

Customize Your LED Display with Seamless Multi-Size Free Splicing and Versatile Installation Options

- Cabinets of 3 sizes (960x270mm, 800x270mm, 640*270mm) can be spliced freely
- 45° cut-edge cabinet, create right angle and 4-sided LED displays easily
- Realizing various kinds of shapes and sizes

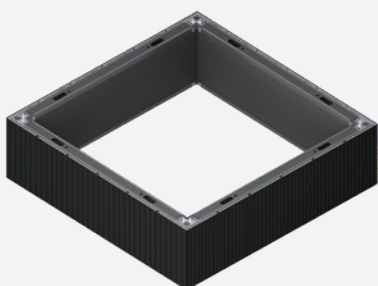
3 Sizes Spliced Freely

Leyard MOK series LED displays with various cabinet sizes offer versatile applications by allowing seamless interconnection. This modular design enables customized configurations to fit diverse spaces and requirements, from small LED displays to large outdoor billboards. The flexibility in combining different sizes enhances creative possibilities for advertising, events, and digital signage.



Right Angle Splicing

Leyard MOK series LED displays are designed with right-angle splicing capabilities, allowing for seamless corner installations that enhance creative and impactful visual presentations. Offering high brightness and exceptional durability to withstand various weather conditions. This innovative feature makes Leyard MOK series a perfect choice for modern outdoor digital signage.



VARIETY OF PIXEL PITCHES AND SIZES

Leyard MOK series offer a variety of pixel pitches and sizes, such as 74", 86", etc., as well as many installation methods, including single-sided, double-sided, stacking, wall mounted, hanging and any combination of modules, do different creative display, greatly improve the product's application scalability.



FLEXIBLE INSTALLATION

Horizontal Installation



Vertical Installation



L-Shaped Heterotypical



TECHNOLOGY ADVANTAGES

MicroLED Technology

Using ultra fine pitch MicroLED chips to achieve ultra high definition display effects, with delicate images and bright colors.

Stability and reliability have been greatly improved

The contrast rate is up to 10,000:1

Fine pitch LED brightness meets the outdoor need

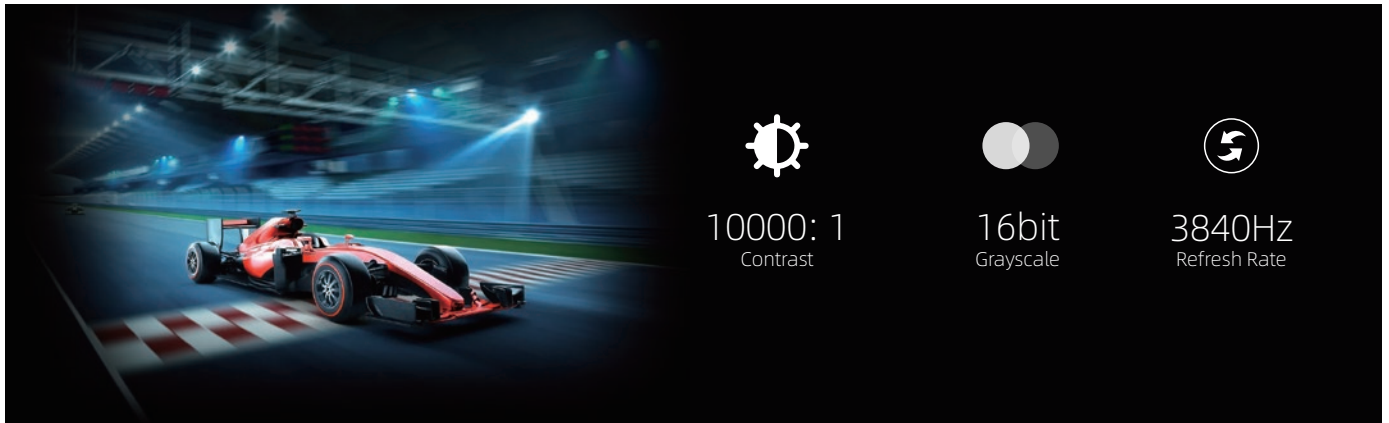
Significant reduction in energy consumption (30%)

IP65 High protection level

The module is fully sealed light spreads uniform, and the Angle of view increased

High Refresh Rate, High Contrast Ratio

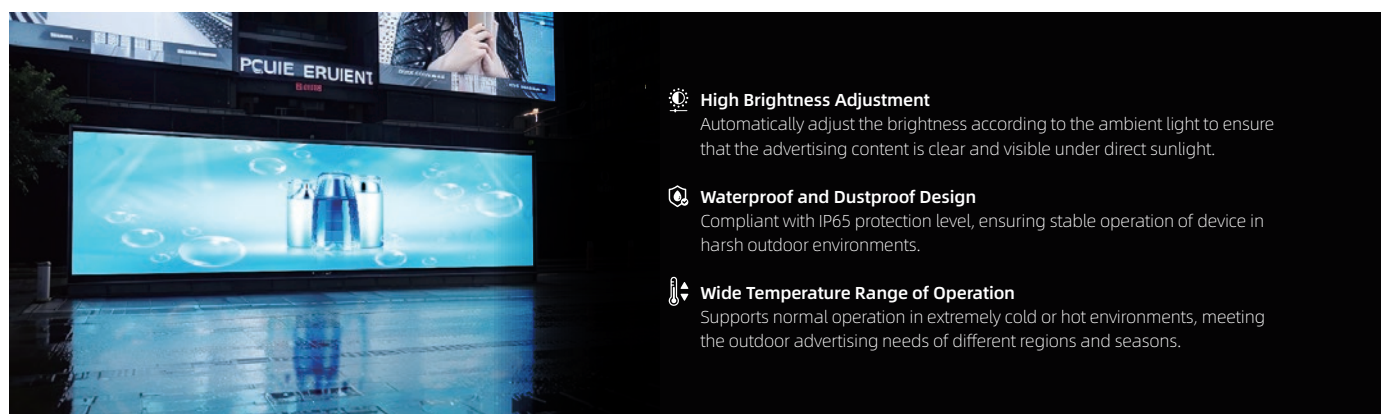
Leyard MOK series with high refresh rates and high contrast ratios offer several advantages. A high refresh rate ensures smoother motion and reduces motion blur, a high contrast ratio enhances the difference between the darkest and brightest areas on the screen, improved detail and depth.



Energy Saving, Environmental Protection, and Efficient Heat Dissipation

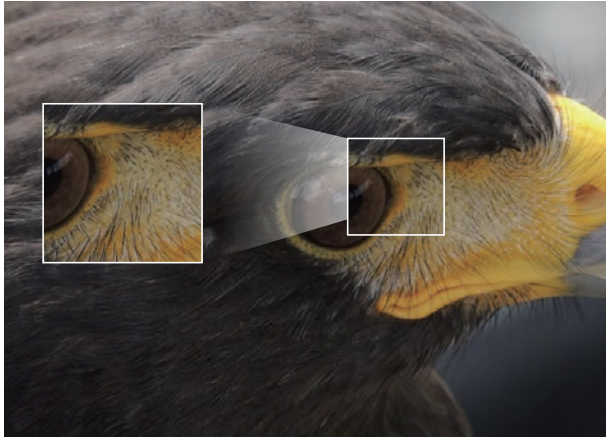


Strong Environmental Adaptability



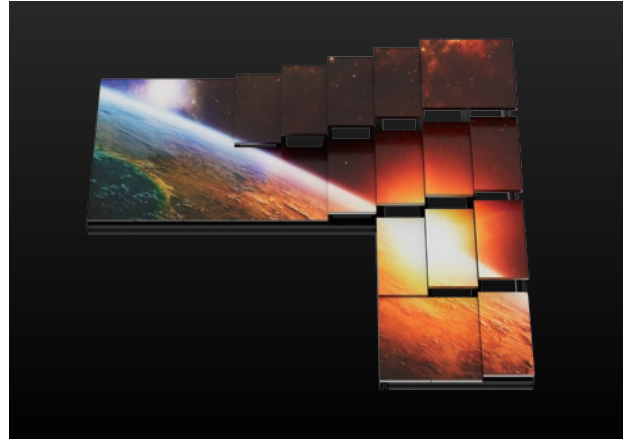
Low Bright & High Gray

Leyard MOK achieves 16bit gray performance. The higher the gray level, the higher the picture hierarchy and brightness, and the more detailed the image can be displayed with less information loss.



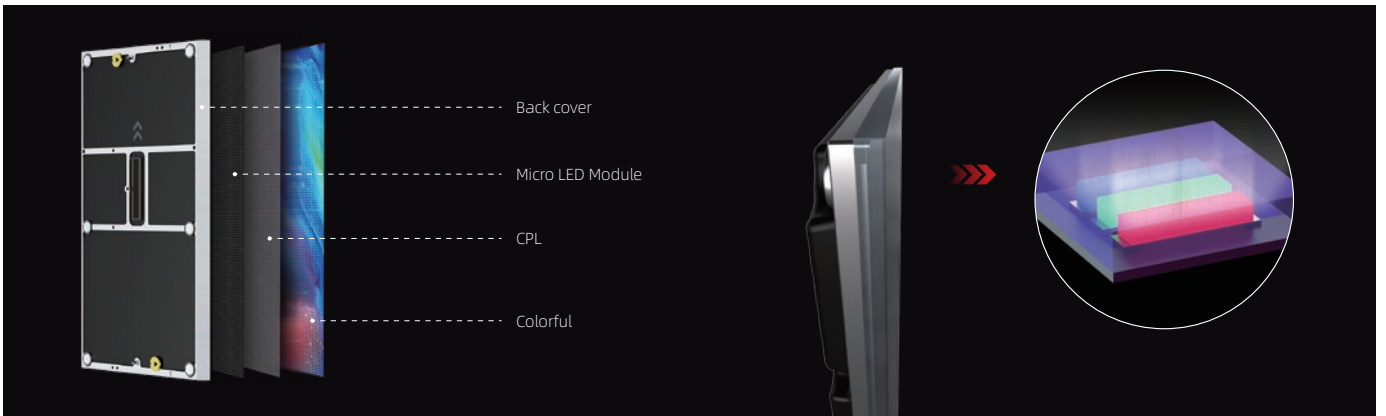
Seamless Splicing Technology

Modular design, supports seamless splicing, and achieves display effects of ultra large size and arbitrary splicing



Enhanced Protection LED Display Technology

Process adopts three-dimensional coating and comprehensive protection, with a smooth and seamless surface, greatly improving the performance of moisture and water resistance, enhancing protection level, reducing the LED defect rate, and having functions such as anti-collision and easy maintenance. It has stronger compressive strength and good anti salt spray effect, extending the service life.



CLOUD BASED INTELLIGENT MANAGEMENT SYSTEM

Safety and Reliability

Data channel encryption, equipment operating status, Level 3 classified Protection Certification Access.



Flexible Networking and Strictly Synchronized Display

- 4G, 5G, WIFI, LAN
- Support for NTP/GPS synchronization
- Multi-screen frame-level synchronized playback



Cluster Management

- Flexible grouping of terminals
- Group releases programs
- Global arbitrary large-scale cluster release



Timely Feedback on Operational Status

When the fault is detected, it can realize automatic SMS alarm, and support scanning QR code to realize repair, support the mobile devices to view the alarm information in real time, and support the email alarm.



Adaptability to Various Scenes

- Compatible with mainstream video clips
- Powerful hardware decoding, smooth and delicate picture quality
- Flexible program layout and abundant media materials



Overall Control

- View the screen anytime, anywhere
- Supports the showing of display screen cable routing modes graphically, as well as voltage, temperature, input signal and other information



Real-time Monitoring of Content and Historical Data

It can collect equipment information, analyzing data statistics failure, alarm content, and generate the failure probability, health and maintenance recommendations according to the equipment failure and alarm.



Scientifically Operating Aids

- LBS targeted advertising
- Supports cell phones, tablets to check the information
- Open API access to existing systems



EXTENSIVE APPLICATIONS

Leyard MicroLED Outdoor Kiosk has become the best in the outdoor advertising market with its excellent display effect, intelligent management function, strong environmental adaptability and energy saving and environmental protection. Choosing us make your advertising content shine in the outdoor space and lead the new trend of advertising communication.

Commercial Centers

Such as shopping centers, pedestrian streets, plazas, etc., attract customers' attention and enhance brand image and sales.

Transportation Hubs

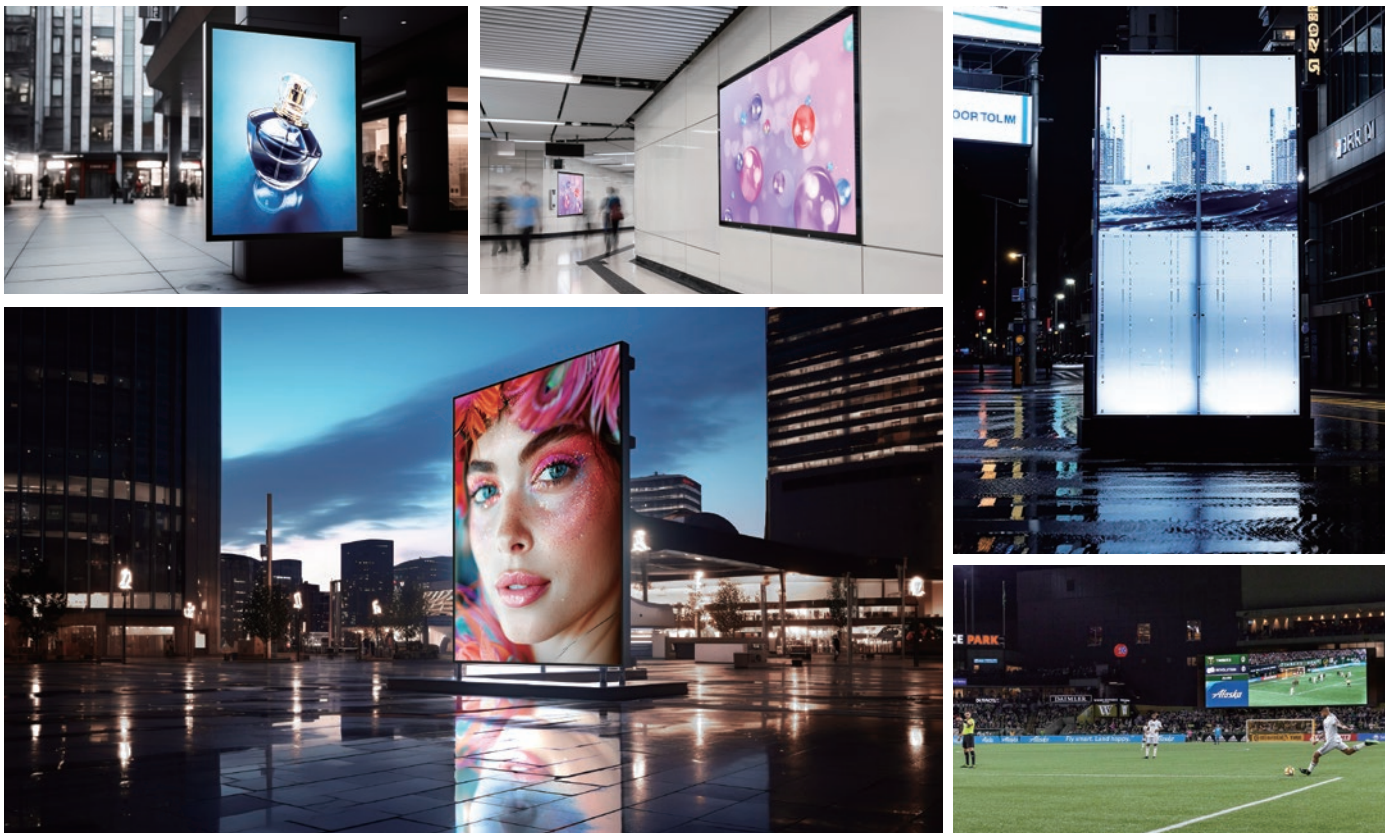
Such as airports, high-speed rail stations, subway stations, etc., provide travelers with a rich visual experience, while spreading the brand message.

City Landmarks

Such as skyscrapers, bridges, parks, etc., show the city's image and distinctive culture, as the city's landmark buildings or landscapes .

Sports Events and Activities

Provide shocking visual effects for the audience and enhance the atmosphere and the sense of engagement.



INDUSTRIALIZATION CERTIFICATION Global Application

Leyard MOK has passed the international and domestic authority of electrical, safety, electromagnetic radiation, environmental protection certificates, including CCC, CNAS, CB, CE, cTUVus, FCC, ROHS, REACH, WEEE, etc.



SPECIFICATIONS

Item	MOK1.2	MOK1.5	MOK1.8
LED Package	SMD0606	SMD1010	SMD1010
Pixel Pitch (mm)	1.25	1.538	1.875
Module Resolution (dots)	128x216	104x176	84x144
Module Size (mm)	160x270	160x270	160x270
Modules/Cabinet (WxH)	6x6 / 6x1 / 5x1 / 4x1	6x6 / 6x1 / 5x1 / 4x1	6x6 / 6x1 / 5x1 / 4x1
Cabinet Resolution (dots)	768x1296 / 768x216 / 640x216 / 512x216	624x1056 / 624x176 / 520x176 / 416x176	504x864 / 504x144 / 420x144 / 336x144
Pixel Density (Point/m ²)	640,000	423704	280000
Cabinet Dimension (WxHxD)mm	967x1627x90 / 960x270x65 / 800x270x65 / 640x270x65		
Weight per Cabinet (Kg)	50 / 9 / 8 / 6.5		
Weight per Sqm (Kg)	32 / 34 / 37 / 38		
Cabinet Material	Aluminum profile		
Protection Level	IP65		
Brightness Max Calibrated (nit)	3000cd/m ²	3500cd/m ²	3500cd/m ²
Colour Temperature, Adjustable (K)	3000 to 10000		
Viewing Angle(Horizontal)°	160		
Viewing Angle (Vertical)°	140		
Contrast Ratio	10000:1		
AC operation Voltage	AC100~240V (50/60Hz)		
Max Power Consumption (W/m ²)	720W/SQM		
Ave Power Consumption (W/m ²)	240W/SQM		
Grayscale (Bits)	16		
Refresh Rate (Hz)	≥3840Hz		
Frame Rate (Hz)	50&60		
Lifetime (hrs)	100000		
Installation Access	Rear/Front		
Module Maintenance	Rear/Front		
PSU & Others Maintenance	Rear/Front		
Max Hanging QTY.	1 (75or86, 98inch)		
Operating Temperature (°C)	-20~50		
Storage Temperature (°C)	-30~60		
Operating Humidity (%RH)	10~90% no condensation		
Storage Humidity (%RH)	10~85% no condensation		



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