

# LA Series



Outdoor  
Common Cathode  
Full Color Aluminum Screen

## 01 Front side

Matte corrugation module mask achieves ultra-high contrast



## 02 Product Material

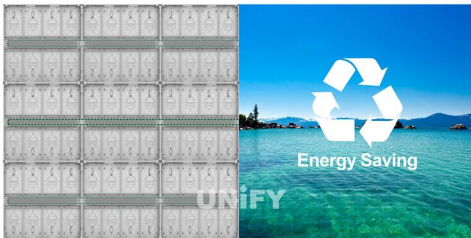
Die-cast aluminum modules and profiled aluminum enclosures offer better flatness. The lightweight enclosure structure reduces weight by 20% per square meter compared to traditional iron enclosures, saving on transportation costs.



### 03

## Green energy-saving LED billboard

LA Series LED advertising billboard uses common cathode power supply technology to optimize the current route, reducing the screen temperature by  $14.6^{\circ}\text{C}$  and reducing power consumption by more than 20%.



### 04

## Panel Weight

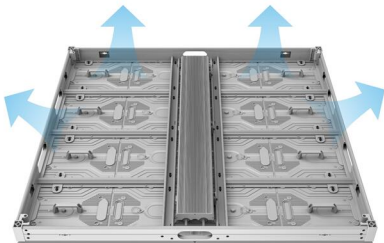
Weight is 30% lighter



## 05

### Multiple heat dissipation designs

LA series adopts double-layer power layout for stable operation. Modular aluminum structure and heat dissipation channel effectively reduce temperature.



## 06

### High-Precision Mod

The LA Series LED Advertising Billboard adopts a standard  $1\text{m} \times 1\text{m}$  cabinet structure, covering 1 square meter per unit for easy calculation and installation. Its modular design allows seamless splicing and flexible expansion according to project size and site conditions.



## O7 Stable and high protection



IP 65

Waterproof



Fireproof



Corrosion  
Resistance

The LA Series features multi-layer waterproofing with IP66 protection and a corrosion-resistant full aluminum cabinet. With excellent flatness, fire resistance, and a wide operating range from  $-40^{\circ}\text{C}$  to  $80^{\circ}\text{C}$ , it performs reliably in harsh coastal environments for all-weather outdoor use.

## O8 Hidden line design

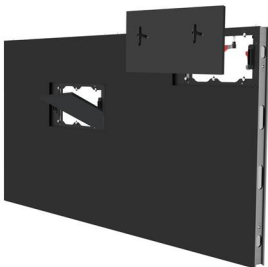


Adopt hidden cable design waterproof and make the whole screen display cleaner and more beautiful

09

## Full-front and Rear maintenance

Suits for all outdoor applications



10

## Creative splicing

Applicable to multi-angle arc stitching and naked eye 3D projects

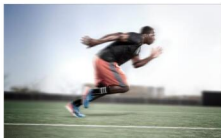


11

## High refresh rate & High grey scale



High refresh rate



Low refresh rate



High grey scale



Low grey scale

12

## Ultra-wide viewing angle

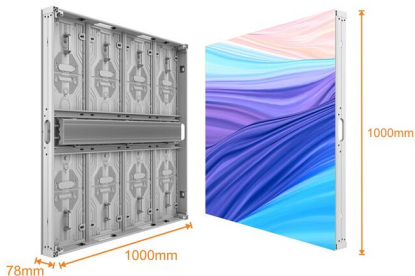
**160° Ultra-wide viewing angle**

Perfect presentation of images from any angle



## 13

## Specifications



Energy Saving



Waterproof

Easy Installation  
& Maintenance

Lighter &amp; Thinner

## Parameters

| Model                                  | P2.976                                                        | P3.91               | P4.81               | P6.25               | P7.81               | P10.42              |
|----------------------------------------|---------------------------------------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| LED Type                               | SMD1415                                                       | SMD1921             | SMD1921             | SMD2727             | SMD2727             | SMD2727             |
| Physical Density(dots/m <sup>2</sup> ) | 112896                                                        | 65536               | 43264               | 25600               | 16384               | 9216                |
| Module Resolution                      | 168x84                                                        | 128x64              | 104x52              | 80x40               | 64x32               | 48x24               |
| Module Size (mm)                       | 500x250                                                       | 500x250             | 500x250             | 500x250             | 500x250             | 500x250             |
| Panel Dimension(W xH/mm)               | 1000x1000x78 (Customizable for 1500 width and 500/750 height) |                     |                     |                     |                     |                     |
| Panel Resolution                       | 336x336                                                       | 256x256             | 208x208             | 160x160             | 128x128             | 96x96               |
| Cabinet Weight (KGS)                   | 22.5                                                          | 22.5                | 22.5                | 22.5                | 22.5                | 22.5                |
| Cabinet material                       | Aluminum                                                      | Aluminum            | Aluminum            | Aluminum            | Aluminum            | Aluminum            |
| Brightness(Nits)                       | ≥ 5500                                                        | ≥ 5500              | ≥ 5500              | ≥ 5500              | ≥ 5500              | ≥ 5500              |
| Viewing Angles (H/V)                   | 140°/160°                                                     | 140°/160°           | 140°/160°           | 140°/160°           | 140°/160°           | 140°/160°           |
| Contrast Ratio                         | 10000 : 1                                                     | 10000 : 1           | 10000 : 1           | 10000 : 1           | 10000 : 1           | 10000 : 1           |
| Driving Mode                           | 1/21 Scan                                                     | 1/16 Scan           | 1/13 Scan           | 1/8 Scan            | 1/4 Scan            | 1/2 Scan            |
| Grey Level                             | 16bit                                                         | 16bit               | 16bit               | 16bit               | 16bit               | 16bit               |
| Refresh Rate (Hz)                      | 3840                                                          | 3840                | 3840                | 3840                | 3840                | 3840                |
| Max power consumption                  | 550W/m <sup>2</sup>                                           | 550W/m <sup>2</sup> | 550W/m <sup>2</sup> | 550W/m <sup>2</sup> | 550W/m <sup>2</sup> | 550W/m <sup>2</sup> |
| Avg power consumption                  | 186W/m <sup>2</sup>                                           | 186W/m <sup>2</sup> | 186W/m <sup>2</sup> | 186W/m <sup>2</sup> | 186W/m <sup>2</sup> | 186W/m <sup>2</sup> |
| Grade                                  | IP65                                                          | IP65                | IP65                | IP65                | IP65                | IP65                |
| Power supply requirements              | AC90-264V,47-63Hz                                             |                     |                     |                     |                     |                     |
| Working Temp/Humidity(°C/RH)           | -20~60°C/10%~85%                                              |                     |                     |                     |                     |                     |
| Cert                                   |                                                               |                     |                     |                     |                     |                     |

## 14 Application



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