

# LEYARD MG-2 SERIES

## NEXT GEN MG INDOOR FINE PITCH LED DISPLAY



### DIVERSE UPGRADES FOR ENTRY-LEVEL TO PREMIUM MARKET SEGMENTS

The MG-2 Series, is the upgrade of the very success model of MG series. It features support for both front and rear installation, as well as front maintenance. While maintaining exceptional performance, the products are more compact, with a 20% reduction in weight compared to the previous generation, greatly facilitating transportation and installation. The thickness has been reduced by 16%, resulting in a more refined appearance and significantly improved heat dissipation efficiency, ensuring stability and reliability during prolonged operation.



## KEY FEATURES



Power/Signal Redundancy  
(Check with sales representatives for details)



EMC Class B



160° Wide Viewing Angle



Super Heat Management



HDR High Dynamic Range (Optional)



Front Access

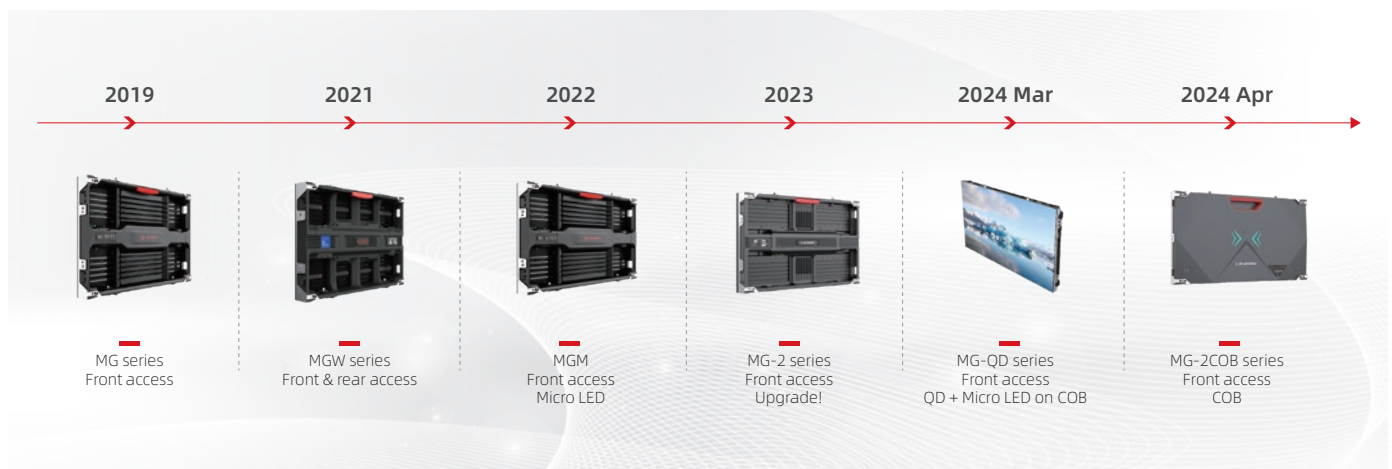


High Refresh Rate



XYZ 6 Axis Adjustment

## HISTORY MG FAMILY



## Comparison

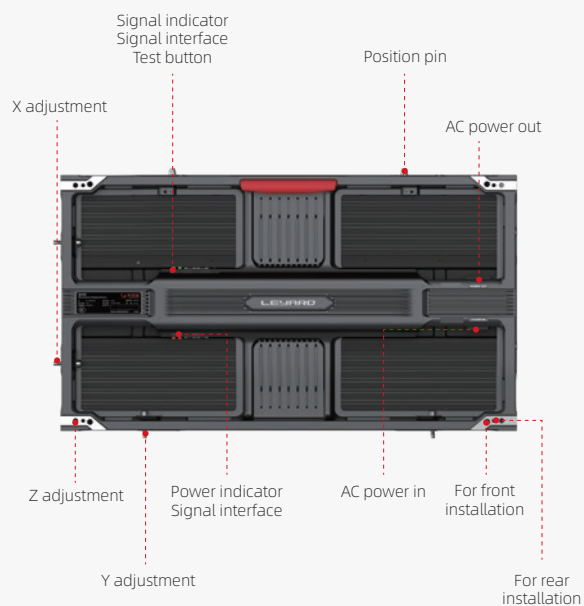
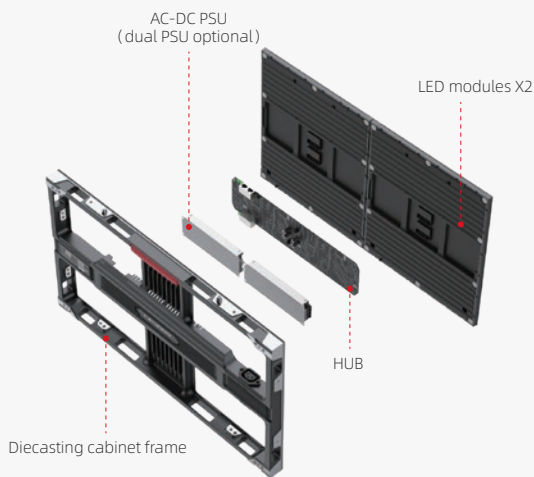
## MG VS New Gen MG



| Item              | MG                                     | New Gen MG                                                                                                       |
|-------------------|----------------------------------------|------------------------------------------------------------------------------------------------------------------|
| Pixel pitch       | 0.78/0.93/1.25/1.56/1.87/2.5/1.05/1.17 | 1.56/1.87/2.5                                                                                                    |
| Access            | Front                                  | Front                                                                                                            |
| Cabinet dimension | 600*337.5*53mm                         | 600*337.5*45mm, 8mm thinner                                                                                      |
| Weight            | 6KG                                    | 4.5KG (Single PSU & single receiving card), 1.5KG less                                                           |
| LED modules       | 4, no bracket                          | 2, with bracket, GOB ready                                                                                       |
| Heat management   |                                        | PSU tached to cabinet frame, better heat management, better uniformity;<br>RX with attached Graphene heat sinker |

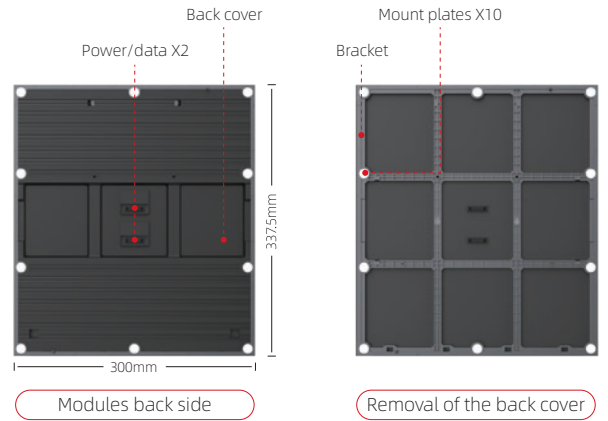
## Scientific and Reasonable Layout Highlighting the Aesthetics of Technology

- > Dual signal redundancy plus loop redundancy;
- > Dual power redundancy;
- > AC input at bottom and output at top, plus 300mm distance between power and data interfaces to reduce the interference to signal;
- > Float connectors between hub and modules for stable connection.



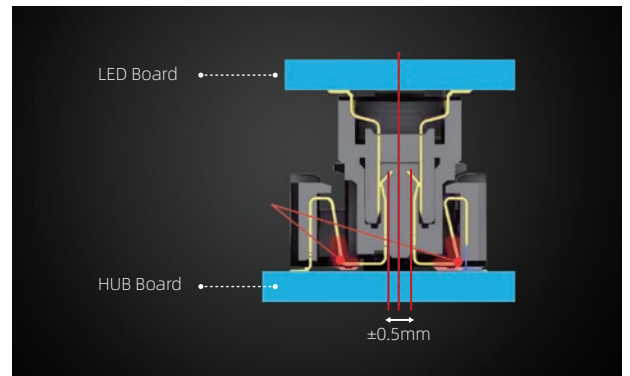
## Dual Interface LED Module

Careful designed modules to be GOB ready, much better flatness.



## Floating Connectors

The time-proved connection method, introduced by Leyard into the LED display industry.



## High Refresh Rate, High Contrast Ratio

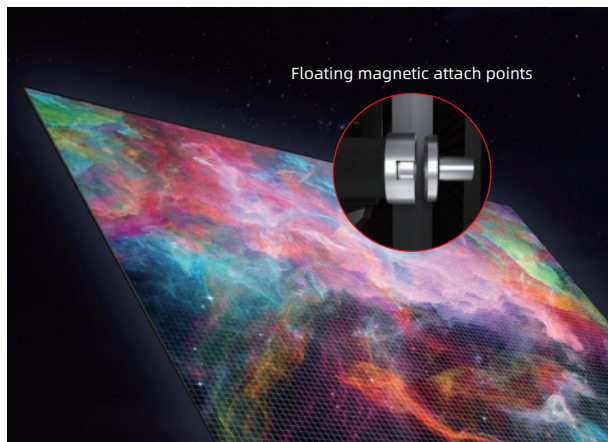
A high refresh rate ensures smoother motion and reduces motion blur, a high contrast ratio enhances the difference between the darkest and brightest areas on the screen, improved detail and depth.





## Flat, From Modules to Displays

Experience of fine pixel pitch in decades, the superior performance.



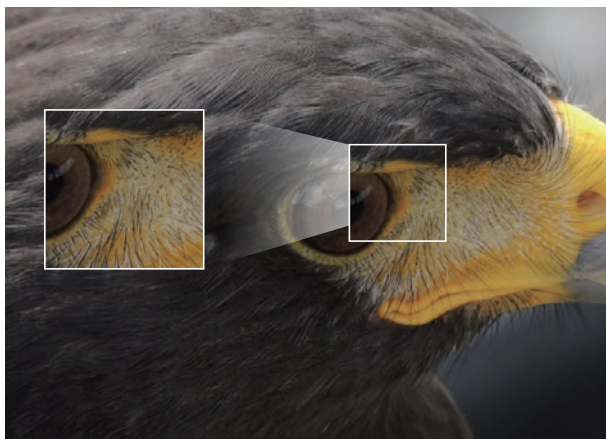
## Excellent Heat Management

Consistent display effect, efficient graphene heat sinker.



## More Details at Low Brightness

The display is 16 bits to deliver high grayscales at low brightness area.



## HDR - High Dynamic Range (Optional)

HDR content is in 10 bits, new gen MG can deliver a much bigger color volume than SDR LED display



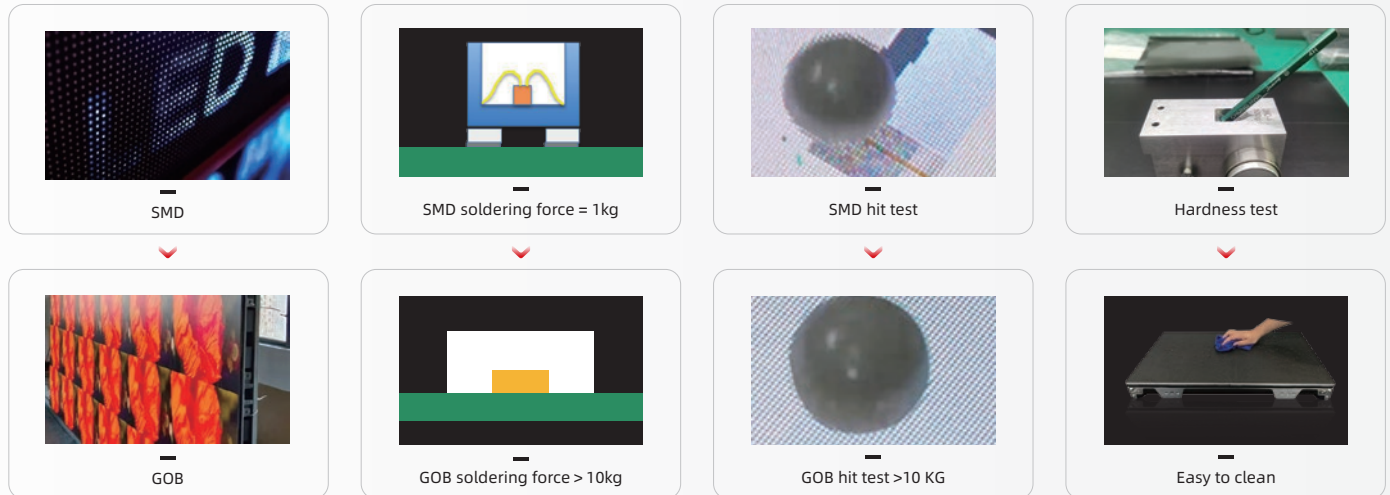
## Front Access, Fast Installation

Multiple installation method, front/rear installation and front access.



## LED - GOB (Optional)

- GOB similar approach but with binning/mixing of LEDs = better uniformity
- 4H hardness
- Waterproof, easy to clean the surface



## EXTENSIVE APPLICATIONS

Leyard MG-2 series offers enhanced versatility and performance across its range. It supports both front and rear installations with easy access, catering to diverse environments. This series is ideal for various applications, from retail to high-end event spaces.



## FOR WORLDWIDE MARKET (CERTIFICATION WILL BE READY SOON)

MG-2 series will have passed the international and domestic authority of electrical, safety, electromagnetic radiation, environmental protection certificates, including CCC, HDR, CE, CB, cTUVus, FCC, ROHS, REACH, WEEE, etc.



## SPECIFICATIONS



| Item                                      | MG0156-2               | MG0187-2 | MG0250-2 |
|-------------------------------------------|------------------------|----------|----------|
| Pixel Configuration                       | SMD-TOP                | SMD-TOP  | SMD-TOP  |
| Pixel Pitch (mm)                          | 1.5625                 | 1.875    | 2.5      |
| Module Resolution (dots)                  | 192x216                | 160x180  | 120x135  |
| Module Size (mm)                          | 300x337.5              |          |          |
| Module Composition (WxH)                  | 2x1                    |          |          |
| Cabinet Resolution (dots)                 | 384x216                | 320x180  | 240x135  |
| Pixel Density (Point/m <sup>2</sup> )     | 409,600                | 284,444  | 160,000  |
| Cabinet Dimension (WxHxD)mm               | 600x337.5x45           |          |          |
| Weight per cabinet (Kg)                   | 4.5                    |          |          |
| Weight per sqm (Kg)                       | 22.2                   |          |          |
| Unit Area (m <sup>2</sup> )               | 0.2025                 |          |          |
| Full White Brightness (nit)               | 600-800*               |          |          |
| Colour Temperature, Adjustable (K)        | 3000~10000 Adjustable  |          |          |
| Viewing Angle (Horizontal)°               | 160                    |          |          |
| Viewing Angle (Vertical)°                 | 140                    |          |          |
| Contrast Ratio                            | 5000:1                 |          |          |
| AC operation Voltage                      | AC100~240V (50/60Hz)   |          |          |
| Max Power Consumption (W/m <sup>2</sup> ) | 464                    | 420      | 346      |
| Ave Power Consumption (W/m <sup>2</sup> ) | 135                    | 115      | 77       |
| Refresh Rate (Hz)                         | ≥3840                  |          |          |
| Frame Rate (Hz)                           | 50&60                  |          |          |
| Lifetime (hrs)                            | 100,000                |          |          |
| Installation Access                       | Rear/Front             |          |          |
| Module Maintenance                        | Front                  |          |          |
| PSU & Others Maintenance                  | Front                  |          |          |
| Operating Temperature ( )                 | -20~40                 |          |          |
| Storage Temperature ( )                   | -30~60                 |          |          |
| Operating Humidity (%RH)                  | 10~90% no condensation |          |          |
| Storage Humidity (%RH)                    | 10~80% no condensation |          |          |

\*The peak power consumption refers to the power consumption under the condition of 100% brightness of full white;

Note: The product parameters, descriptions and images are subject to change without prior notice.