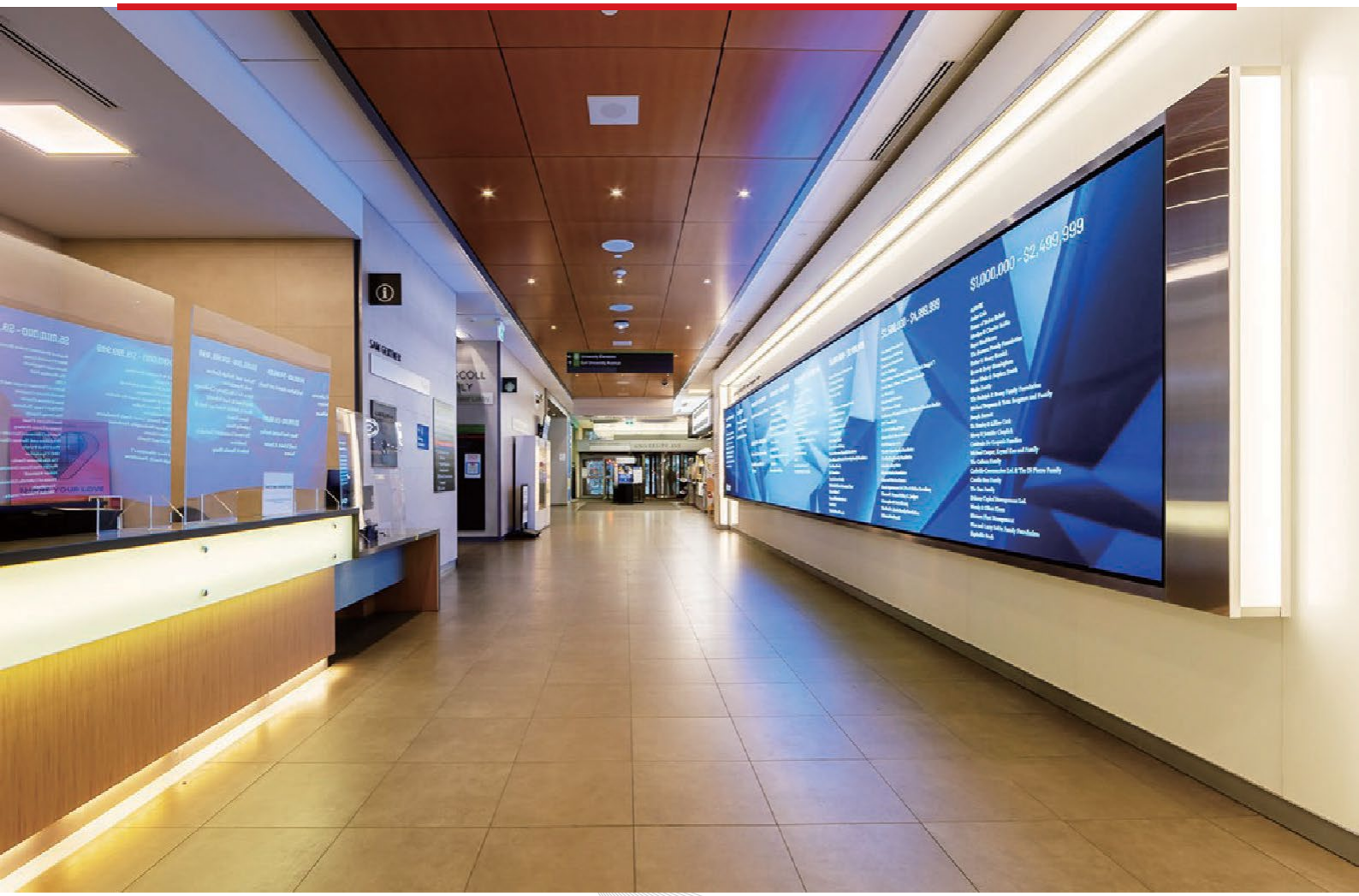
PLANAR

LEYARD MG-2 SERIES

NEXT GEN MG INDOOR FINE PITCH LED DISPLAY



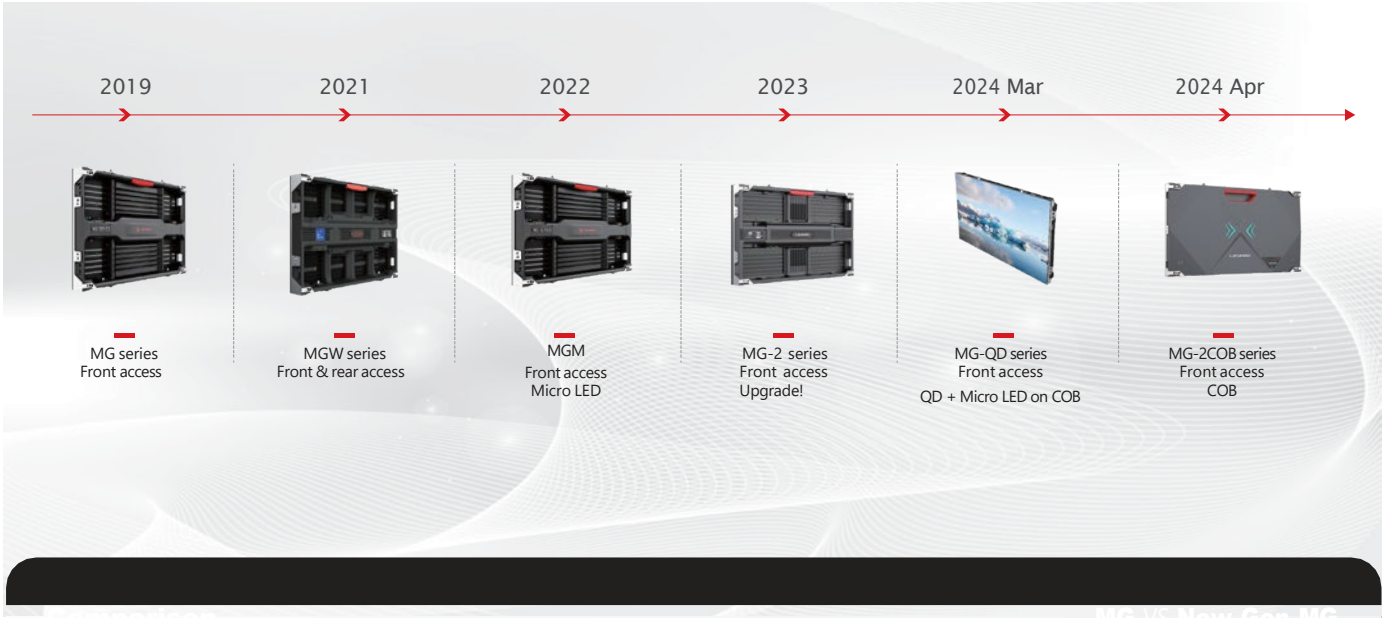
DIVERSE UPGRADES FOR ENTRY-LEVEL TO PREMIUM MARKET SEGMENTS

The Leyard 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
- 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	1.25/1.56/1.87/2.5
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 ttached to cabinet frame, better heat management, better uniformity; RX with attached Graphene heat sinker

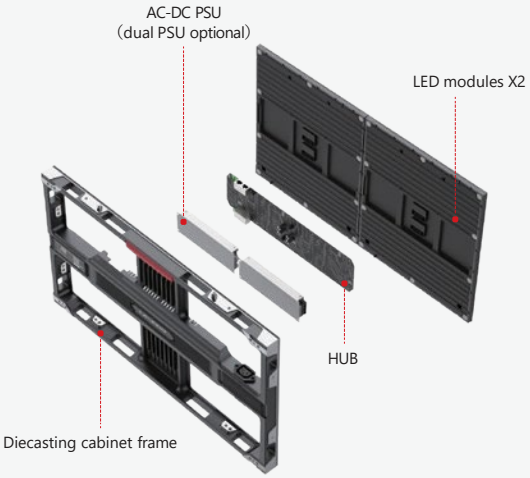
Scientific and Reasonable Layout Highlighting the Aesthetics of Technology

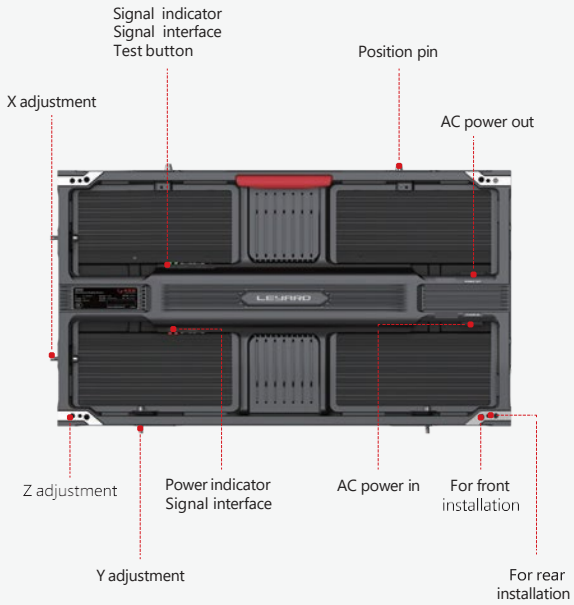
> Dual signal redundancy plus loop redundancy;

> 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;

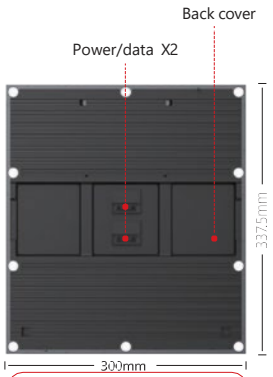
> Float connectors between hub and modules for stable connection.



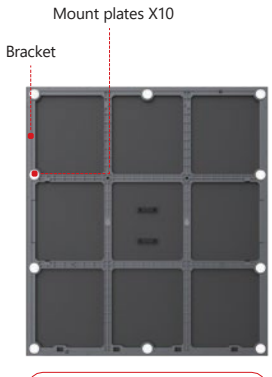


Dual Interface LED Module

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



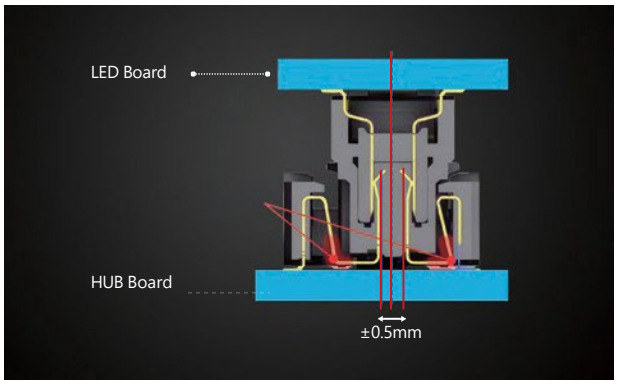
Modules back side



Removal of the back cover

Floating Connectors

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

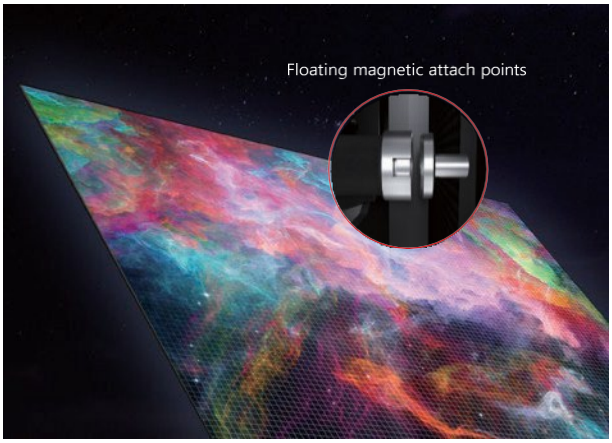


High Refresh Rate, High Contrast Ratio

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.

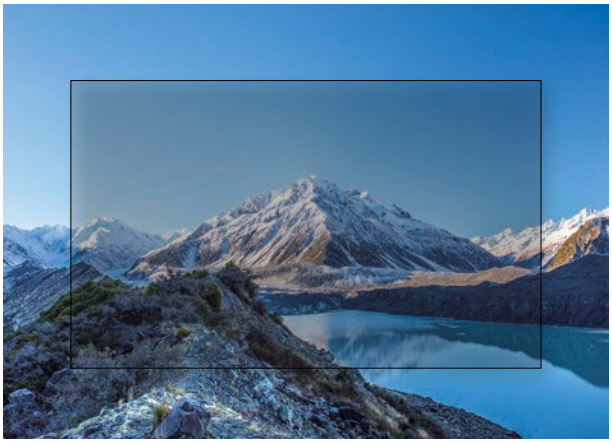
Flat, From Modules to Displays

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



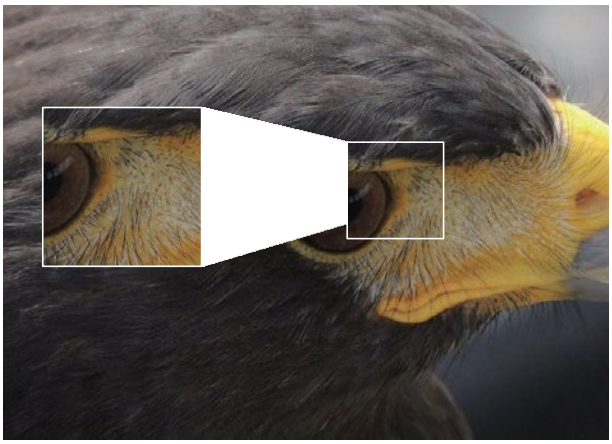
Excellent Heat Management

Consistent display effect, efficient graphene heat sinker.



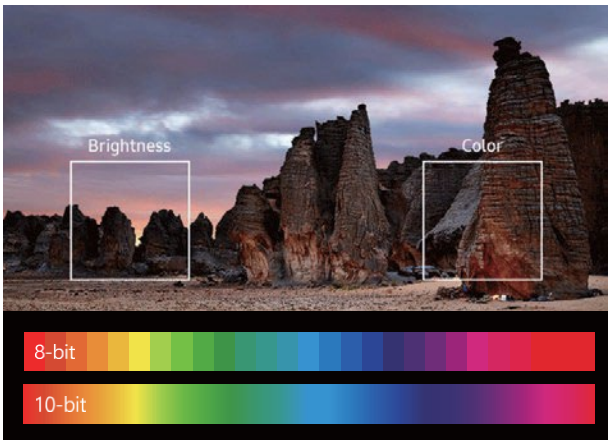
More Details at Low Brightness

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



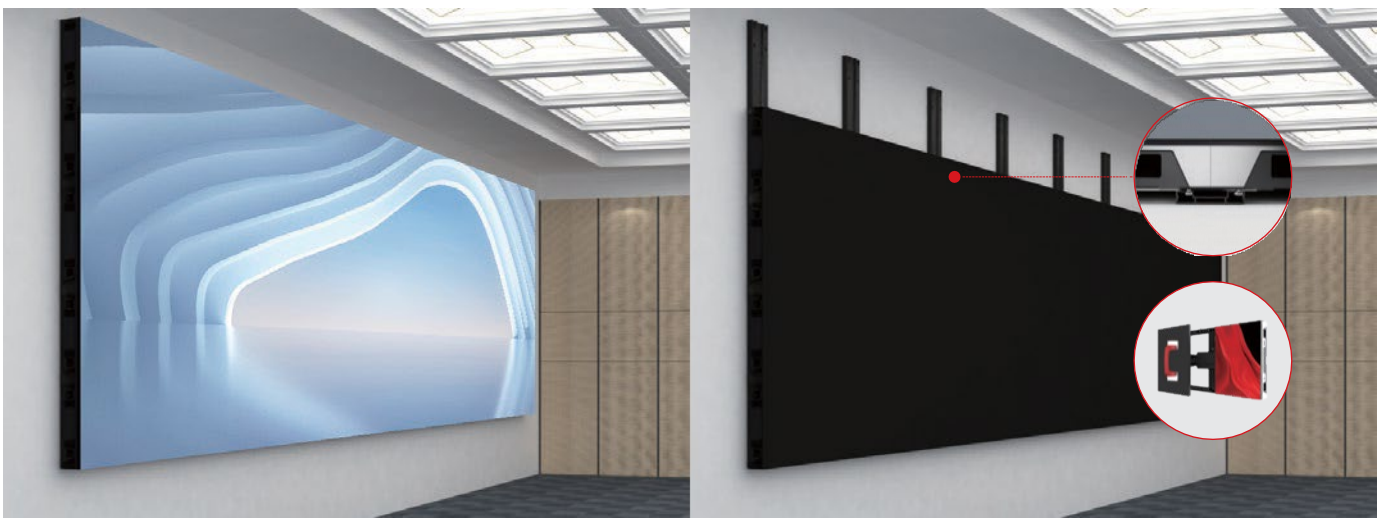
HDR - High Dynamic Range (Optional)

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.

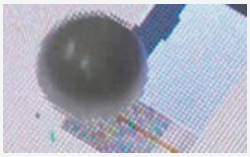


LED - GOB (Optional)

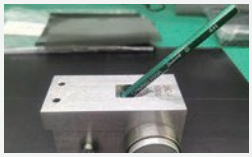
- GOB similar approach but with binning/mixing of LEDs = better uniformity
- 4H hardness
- Waterproof, easy to clean the surface

SMD

SMD soldering force = 1kg



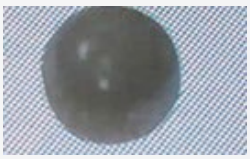
SMD hit test



Hardness test

GOB

GOB soldering force > 10kg



GOB hit test >10 KG

Easy to clean

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)

Leyard MG-2 Series 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	MG0125-2	MG0156-2	MG0187-2	MG0250-2
Pixel Configuration	SMD-TOP	SMD-TOP	SMD-TOP	SMD-TOP
Pixel Pitch (mm)	1.25	1.5625	1.875	2.5
Module Resolution (dots)	240x270	192x216	160x180	120x135
Module Size (mm)	300x337.5			
Module Composition (WxH)	2x1			
Cabinet Resolution (dots)	480x270	384x216	320x180	240x135
Pixel Density (Point/㎡)	640,000	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 (㎡)	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/㎡)	515	464	420	346
Ave Power Consumption (W/㎡)	158	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 (°C)	-20~40			
Storage Temperature (°C)	-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.