LEYARD™ EUROPE

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Leyard MG2 Series

NEXT GEN MG INDOOR FINE PITCH LED DISPLAY

Full Front Service

Power and Signal Redundancy

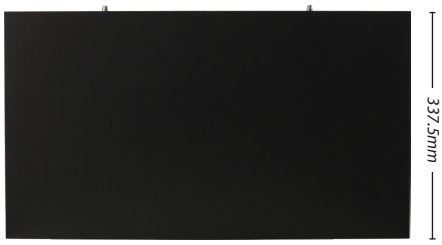
160° Wide Viewing Angle

HDR High Dynamic Range (optional)

EMC Class B

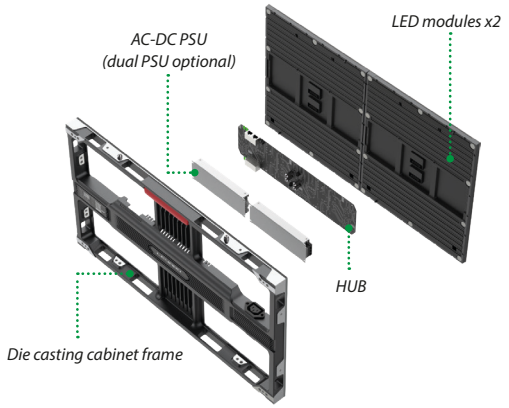
Improved Heat Management

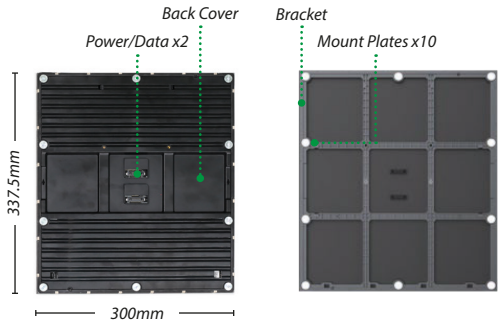
- *1.25, 1.56, 1.87 & 2.5 pixel pitches with SMD technology*
- *Supports front and rear installation*
- *Front service access for easy maintenance*
- *Sleek, compact design*
- *Entry-level solution for range of applications*



Previous MGP vs. New Gen MG2

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) ➔ **1.5kgs less**
LED modules	4, no bracket	2, with bracket, GOB ready
Heat management		PSU attached to cabinet frame, better heat management, better uniformity; RX with attached Graphene heat sinker

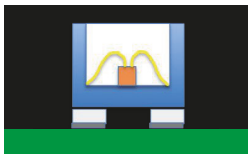




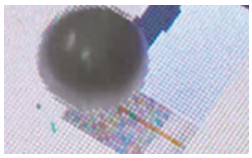
Sophisticated Layout

- 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 interferences
- Float connectors between hub and modules for stable connection
- Careful designed modules to be GOB ready, much better flatness

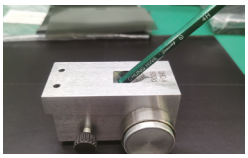
SMD



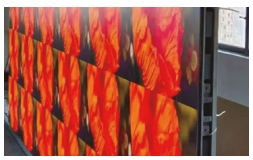
SMD soldering force = 1kg



SMD hit test



Hardness test



GOB

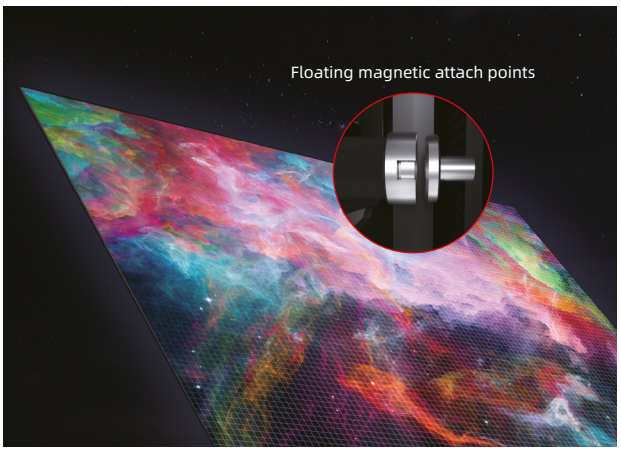
GOB soldering force > 10kg

GOB hit test >10kg

Easy to clean

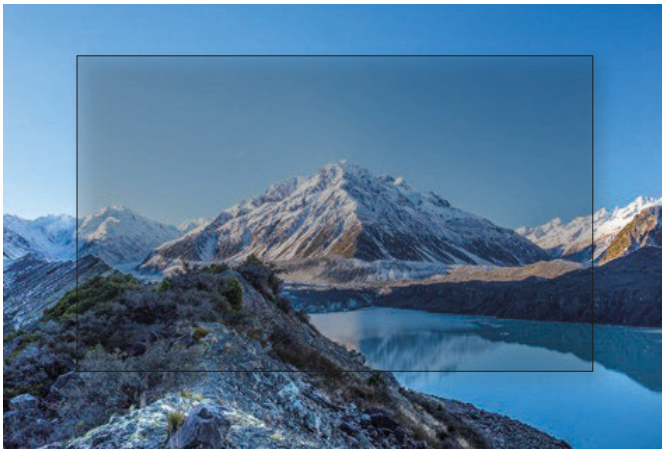
GOB vs. SMD

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



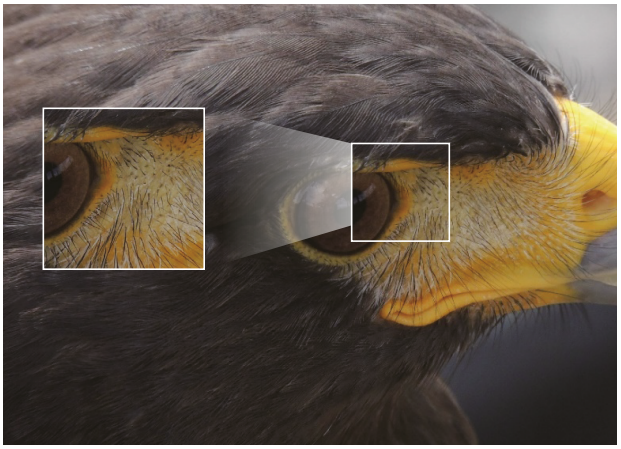
Flat, From Modules to Displays

Experience of fine pixel pitch in decades, the superior performance



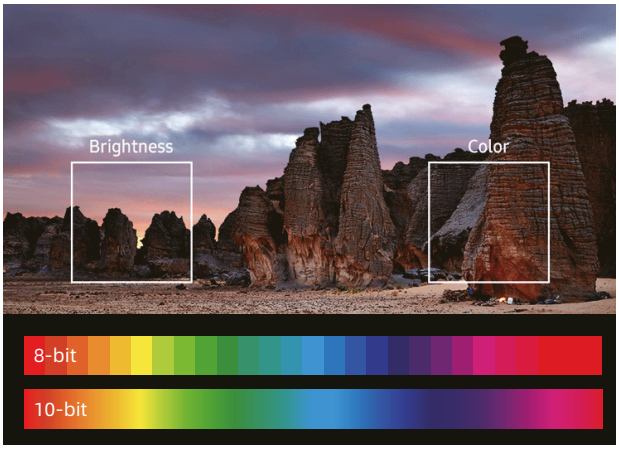
Excellent Heat Management

Consistent display effect, efficient graphene heat sinker.



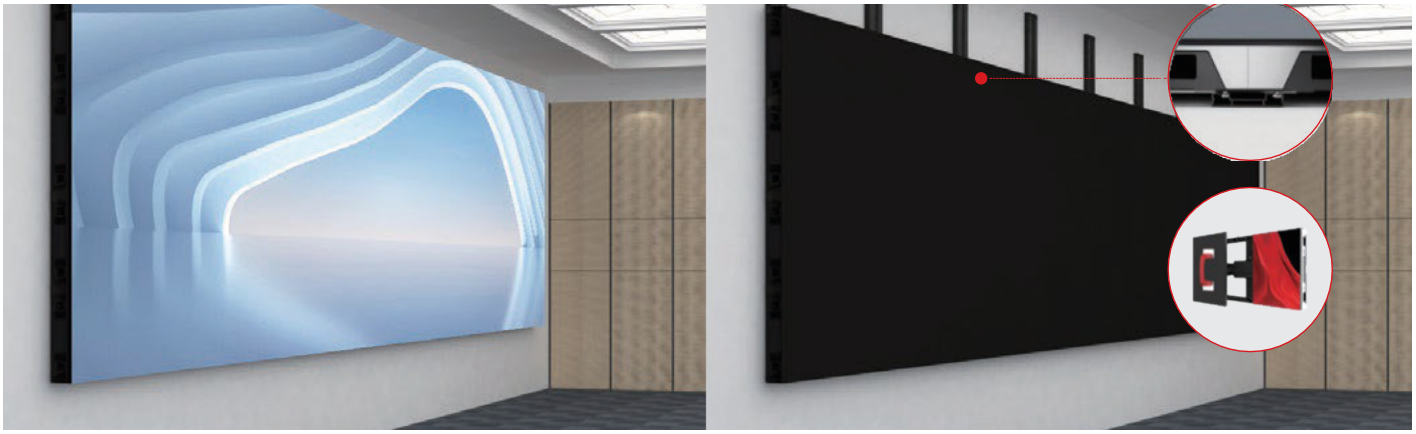
More Details at Low Brightness

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



HDR - High Dyamic Range

HDR content is in 10 bits, new gen MG can deliver a much larger colour volume than SDR LED displays.



Front Access, Fast Installation

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

Specifications

Cabinet Model	MG2-1.2	MG2-1.5	MG2-1.8	MG2-2.5
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	300x337.5	300x337.5	300x337.5
Unit Area (m^2)	0.2025	0.2025	0.2025	
Module Composition (W × H)	2 × 1	2 × 1	2 × 1	2 × 1
Cabinet Resolution (dots)	480x270	384x216	320x180	240x135
Pixel Density (Point/m^2)	640,000	409,600	284,444	160,000
Cabinet Dimension (W × H × D)mm	600x337.5x45			
Weight per Cabinet (Kg)	4.5			
Weight per m^2 (Kg)	22.2			
Brightness Max Calibrated (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			
Max. Power Consumption (W/m^2)	515	464	420	346
Avg. Power Consumption (W/m^2)	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;

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