



Leyard MGS Series

Outdoor Fine Pixel Pitch LED Display

Leyard® MGS series outdoor fine pixel pitch LED displays feature a lightweight aluminum structure and waterproof Glue on Board (GOB) technology that withstands harsh outside environments. Displays have an energy-saving cooling structure, and redundant power/data backup. They are ready for High Dynamic Range (HDR) content making them ideal for applications such as DOOH advertising, retail, outdoor media, billboards, airports and train stations, etc.



IP65 Waterproof
Resists weather and maintains performance



MicroLED Flip Chip
Ultra-high contrast ratio and deep black levels



Wide Viewing Angle
Expansive viewing angles enhance visual clarity



Heat Dissipation
Long lifespan, stable performance and energy efficiency

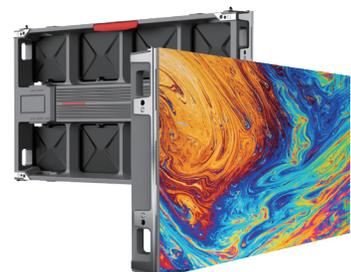


6 Axis Adjustment
Precision alignment, versatile positioning, optimal viewing



2-Year Warranty
Leyard LED Standard Limited Warranty

- 1.2, 1.3, 1.5, 1.6, 1.8 & 2.0mm pixel pitches
- MicroLED flip chip technology with high contrast ratio
- IP65 completely protective layout plus mechanical safety locks
- Easy installation and quick leveling for cabinets splicing and maintenance
- Efficient cooling system for better heat dissipation and energy-saving
- Redundant power/data backup and HDR ready display



Specifications

Item	MGS1.2	MGS1.3	MGS1.5	MGS1.6	MGS1.8	MGS2.0
LED Type	Full Flip Chip 3in1					
Pitch	1.25mm	1.33mm	1.53mm	1.67mm	1.86mm	2.0mm
Module Resolution (WxH)	128x288	120x270	104x232	96x216	86x192	80x180
Module Size (WxH)	160x360x20mm 6.3"x14.17"x0.79"					
Module Composition (WxH)	4x1	4x1	4x1	4x1	4x1	4x1
Cabinet Resolution	512x288	480x270	416x232	384x216	344x192	320x180
Pixel Density (pixel/m ²)	640,000	562,500	418,888	360,000	286,666	250,000
Cabinet Size (WxHxD)	640x360x70mm 25.2"x14.17"x2.76"					
Unit Area	0.2304m ² 2.48ft ²					
Cabinet Weight	8.5kg 18.74lb					
Surface Flatness	≤0.1mm					
Brightness Calibration	Yes					
Color Calibration	Yes					
Brightness (after calibration)	3000-4000 nits *					
Color Temperature	3000-10000K Adjustable					
Horizontal Viewing Angle	170°					
Vertical Viewing Angle	170°					
Deviation of LED Luminance Center (after calibration)	<3%					
Brightness Uniformity	≥97%					
Chromaticity Uniformity (after correction)	±0.003Cx,Cy within					
Contrast Ratio	10000:1					
Max. Power Consumption	150W/cabinet; 651W/m ²					
Avg. Power Consumption (300nit)	50W/cabinet; 217W/m ²					
Power Supply	AC100~240V (50/60Hz)					
Power Supply Configuration	Single power supply (dual power supply optional)					
Drive Mode	Constant current PWM driving					
Frame Rate	50&60Hz					
Grey Level	16bit					
Refresh Rate	3840Hz					
Lifetime	100,000 hrs					
IP Level (front/ rear)	IP65					
Operation Temperature	-20 ~ 40°C -4 ~ 104°F					
Storage Temperature	-30 ~ 60°C -22 ~ 140°F					
Operation Humidity	10~80%RH no condensation					
Storage Humidity	10~85%RH no condensation					
Warranty	2 years					