

MGS Series

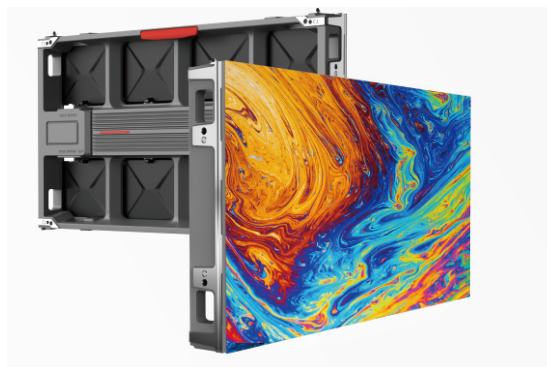
OUTDOOR FINE PITCH LED DISPLAY



MEGA PIXEL, SOLID FOR HARSH APPLICATION

Leyard MGS series outdoor fine pixel pitch has the aluminum die-casting cabinet. The GOB is formed by a special hig-tech material for outdoor harsh environments.

The product is solid for various application. There are numerous features include the alu frame structure, effective heat management, low power consumption, IP65, MicroLED technology with full flip chip packaging, the visual performance is more than the imagination.



KEY FEATURES



Micro LED Full Flip Chip



High Contrast



IP65 Waterproof



Effective Heat Management



Redundancy Power/ Data



Front/ Rear Installation



Mechanical Safety Lock



XYZ 6 Axis Adjustment



Eco and Green



HDR HDR Ready



170° Wide Viewing Angle



High Refresh Rate

Item	MGS1.2	MGS1.3	MGS1.5	MGS1.6	MGS1.8	MGS2.0
LEDs	Full flip-chip Micro LED					
Pixel pitch (mm)	1.25	1.33	1.53	1.67	1.86	2
Module resolution (W×H)	128×288	120×270	104×232	96×216	86×192	80×180
Module size (mm)	160 (W)×360 (H)×20 (D)					
Composition (W×H)	4×1					
Resolution (W×H)	512x288	480x270	416×232	384*216	344×192	320*180
Dimension (mm)	640 (W)×360 (H)×70 (D)					
Cabinet size (m ²)	0.2304					
Weight (kg/Cabinet ;kg/ m ²)	8.5 ;36.9					
Pixel density (pixel/ m ²)	640,000	562,500	418,888	360,000	286,666	250,000
Flatness (mm)	≤0.1					
Brightness calibration	Yes					
Color calibration	Yes					
Brightness (nits) (calibrated)	3000-4000 *					
Color temperature (K)	3000—10000 adjustable					
H viewing angle (°)	170					
V viewing angle (°)	170					
Brightness uniformity (calibrated)	≥97%					
Color uniformity (calibrated)	±0.003Cx,Cy					
Contrast ratio	10000:1					
Max power consumption (W/m ²)	150 ;651					
Average power consumption (W/m ²)	50 ;217					
Line voltage	AC100~240V(50/60Hz)					
Leakage current (cabinet)	< 1mA ;					
PSUconfig	Single (dual PSUoptional)*					
Driver IC	PWMCCD					
Redundancy	Loop redundancy (Optional dual cards and loop redundancy)*					
Grayscale (bits)	16					
Frame rate (Hz)	50&60					
Refresh rate (Hz)	3840					
LEDlifetime (hrs)	100,000					
IP (front / rear)	IP65 IP65					
Working / Storage temperature (°C)	-20~40/ -30~60					
Working / Storage humidity (RH)	10 -- 80%/ 10 -- 85% non-condensing					
Front and rear	√	√	√	√	√	√
Full front	√	√	√	√	√	√

CCC, EMC-Class A, ROHS2.0, Low blue light

1. Full white after calibration is 3000~4000nits, consult on the sales representation for details;

2. Single PSU is the default config, optional dual PSUs or dual power;

3. Single rx is the default config, optional dual cards