

# MSG Outdoor Series

MSG Outdoor Series LED module (display ratio is 2:1) can be used in all mainstream LED screen control systems. Its production process, materials and assembly are carried out in accordance with strict standards. MSG series has the characteristics of flexibility, IP65, easy installation and maintenance. Widely used in outdoor advertising, government projects, building exterior walls, etc.



## Waterproof IP65

Anti-corrosion paint+waterproof rubber

## Original Design

Lightweight design, customized mask, superior color consistency

## Designed Components

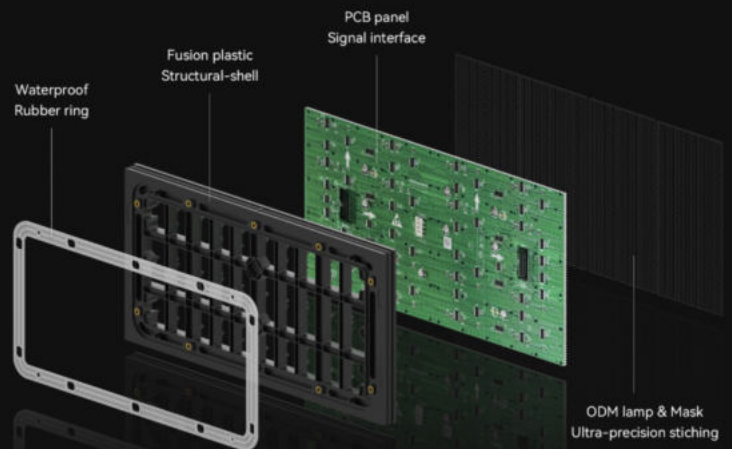
DC 4.2V connector, M4 magnetic column for all screw holes

## Specialist Chip App

3840Hz Low brightness, high gray scale, high quality LED lamps

## Original Design

Lightweight design, customized mask, superior color consistency, Low temperature rise, High flame retardant, Excellent PCB design



Fire rating  
UL94 V-0

Waterproof  
Function: IP65

## Waterproof IP65 & Fire-rating UL94 V-0

MSG series adopts unique LED surface treatment technology for high level anti-collision, waterproof, heat-resistant, dust-proof function, lamp protection, and work normally in corrosive, humid and foggy environment.

## Stunning Visual Effect, Specialist Chip Application

Large viewing angle ensure the consistency and uniformity of brightness and color from any horizontal and vertical angles





# Scenario Case



Case Name: Inner Mongolia Outdoor Naked-eye 3D Large Screen



Case Name: Suzhou Metro Shopping Mall Large LED Screen



Case Name: Guanyinqiao Dist. Business Center



Case Name: Ad Screen of Jinhua Wanda Headquarters Center



Case Name: Jiujiang Shipping Administration Controlling Center



Case Name: Parkson Plaza Outdoor Naked-eye 3D Large Screen

# Features



Waterproof IP65, Fire rating: UL94V-0

01



160° ultra-wide viewing angle

02



Pixel by pixel correction

03



Support 3D/HDR display

04



High refresh and high quality drive IC

05



Thermal conductive adhesive for better heat dissipation

06

# Specifications

Parameter Item	MSG P2.5 Outdoor	MSG P3 Outdoor	MSG P4 Outdoor	MSG P5 Outdoor	MSG P6 Outdoor	MSG P8 Outdoor	MSG P10 Outdoor
Pixel Pitch (mm)	2.5	3.076	4	5	6	8	10
Pixel Density (pixels/sqm)	160,000	105,625	62,500	40,000	27,778	15,625	10,000
Module Resolution	128×64	104×52	80×40	64×32	32×32	32×16	32×16
Mask	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Lamp Type	SMD1415	SMD1415	SMD1921	SMD2727	SMD2727	SMD2727	SMD2727
Module Size (mm)	320×160×15	320×160×15	320×160×15	320×160×15	192×192×14	256×128×15	320×160×15
Module Weight (kg)	0.55±0.05	0.55±0.05	0.55±0.05	0.55±0.05	0.55±0.05	0.27±0.05	0.55±0.05
Brightness (cd/sqm)	4500	4500	4500	5500	5500	5500	5500
Gray Scale (Bit)	12~16						
Color Temp (k)	2500~10000						
Control System	Synchronous Control						
Protection Level	Front IP43, Rear IP65						
Intelligent Storage	NO						
Frame Frequency (Hz)	50/60FPS~120FPS (3D)						
Refresh Rate(Hz)	1920/3840(Optional)						
Working Voltage	AC:100V~240V, 50/60Hz						
Power Consumption(W/ m <sup>2</sup> )	Max:≤700, Ave:≤235	Max:≤700, Ave:≤235	Max:≤700, Ave:≤235	Max:≤700, Ave:≤235	Max:≤710, Ave:≤238	Max:≤800, Ave:≤270	Max:≤740, Ave:≤248
Lifetime (hrs)	100,000						
Operating Temp (°C)	-10~+40						
Storage Temp (°C)	-25~+60						
Humidity Range(Rh)	10%~80%, Non-condensing						
Pixel Correction	Brightness And Color Correction						