

DESAY



MB Series

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Specification

Parameter	Unit	MB3	MB6	MB8	MB10	MB12	MB16
Pixel pitch	mm	3.846	6.25	8.333	10	12.5	16.667
Brightness	nits	5000	6000 ~ 6500	6000 ~ 6500	6000 ~ 6500	6000 ~ 6500	6000 ~ 6500
Pixel configuration	R/G/B	SMD 3 in 1					
Color temperature	K	6500					
Viewing angle-Horizontal (50% brightness)	Deg.	140(+70/-70)					
Viewing angle-Vertical (50% brightness)	Deg.	+30-50	+15-40	+30-45	+55-65	+55-65	+55-65
Recommended minimum viewing distance	m	4	6	8	10	12	16
Panel width	mm	800					
Panel height	mm	900					
Panel depth	mm	112					
Panel area	m ²	0.72					
Panel material		Aluminum					
Panel weight	Kg	20.5					
Ingress protection (front/back)	IP	65/54					
Pixel matrix per panel		208×234	128×144	96×108	80×90	64×72	48×54
Brightness control		255					
Gray scale	bit	14					
Frame rate	Hz	50/60					
Display refresh rate	Hz	3840/7680					
Input voltage	VAC	100 ~ 240					
Input power frequency	Hz	50 ~ 60					
Input power (Max.)	W/m ²	680±10%	680±10%	680±10%	680±10%	680±10%	450±10%
Input power (Avg.)	W/m ²	238±10%	238±10%	238±10%	238±10%	238±10%	157±10%
Operating temperature range	°C	- 30 ~ + 50					
Lifetime (50% brightness)	Hours	100,000					

Features

- Available pixel pitches: 3.8, 6.25, 8.3, 10, 12.5, 16 mm
- Ultra-lightweight: 20.5 kg per panel
- Fanless design, low noise
- 30% power-saving solution
- High brightness: >6500 nits; high refresh rate: 3840/7680 Hz
- Cabinet size: 800×900 mm, designed for 16:9 screen ratio
- Module safety rope design for improved safety
- Patented integrated drainage channel
- Patented dual-louver module mask design, improving contrast ratio to 4000:1
- Professional heatsink power box with excellent heat dissipation
- Full front & rear maintenance for both modules and power box
- No rear installation space required; easy wall-mount installation with a simple frame
- Dual safety design: fuses in modules and power supply
- Optional perimeter configuration: impact-resistant soft rubber masks with adjustable rear brackets



Optional Perimeter Screen Version

Front & Rear Maintenance for Modules and Power Supply