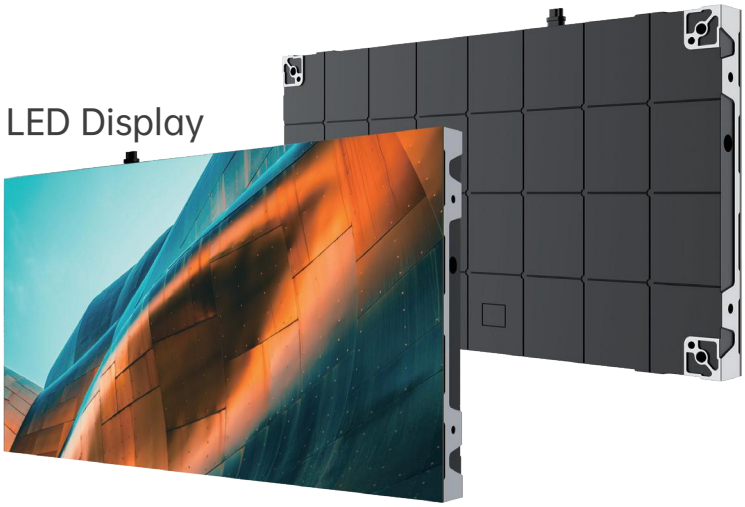
FI MC Series

Ultra HD, Ultra-thin Indoor Fine Pixel Pitch LED Display



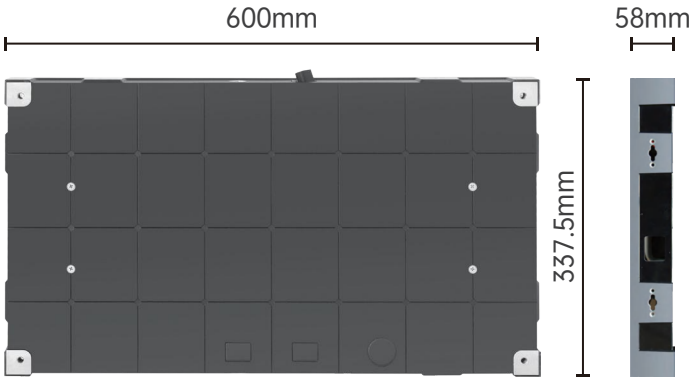
PRODUCT OVERVIEW

The FI MC Series is an ultra-high-definition product targeting the fine-pitch LED display market. It is mainl y used in various control fields such as security monitoring, command dispatch, video conferencing, and broadcasting for high-quality display applications.

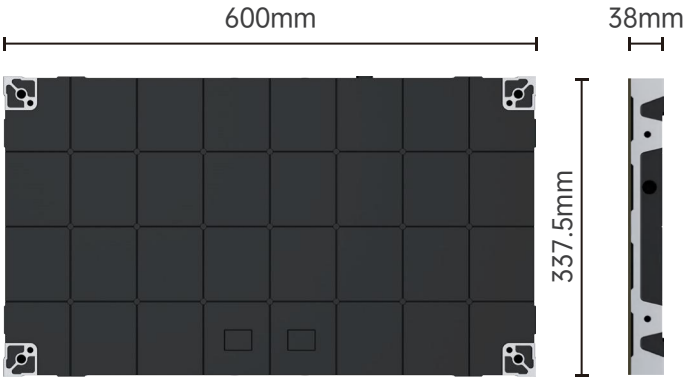
- High Compatibility
- Fully Front Maintenance
- SMD/GOB/MIP Optional
- Redunant

PRODUCT DISPLAY

Regular: 600*337.5*58



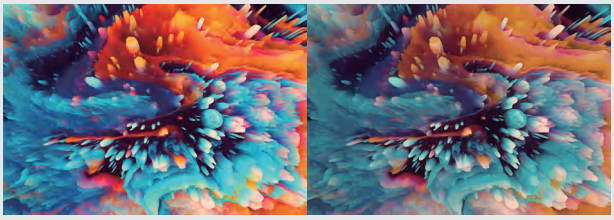
Ultra Thin: 600*337.5*38



PRODUCT FEATURES

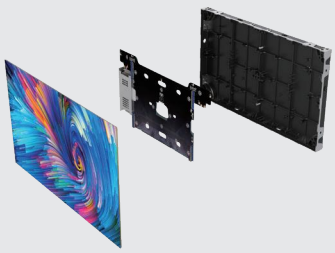
Magic Cube Series: Low brightness, high gray scale

Traditional Displays: Low gray scale, poor performance

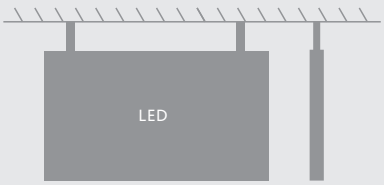


Magic Cube Series | Traditional Displays

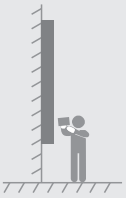
MIP Low Power Consumption: Advanced full flip-chip common cathode circuit design realizes low power consumption and energy saving. Special image arithmetic processing, enjoying the depth contrast of 16-bit high grayscale even at low brightness levels, delivers better color rendering, color reproduction, and better detail.



Front Maintenance Design

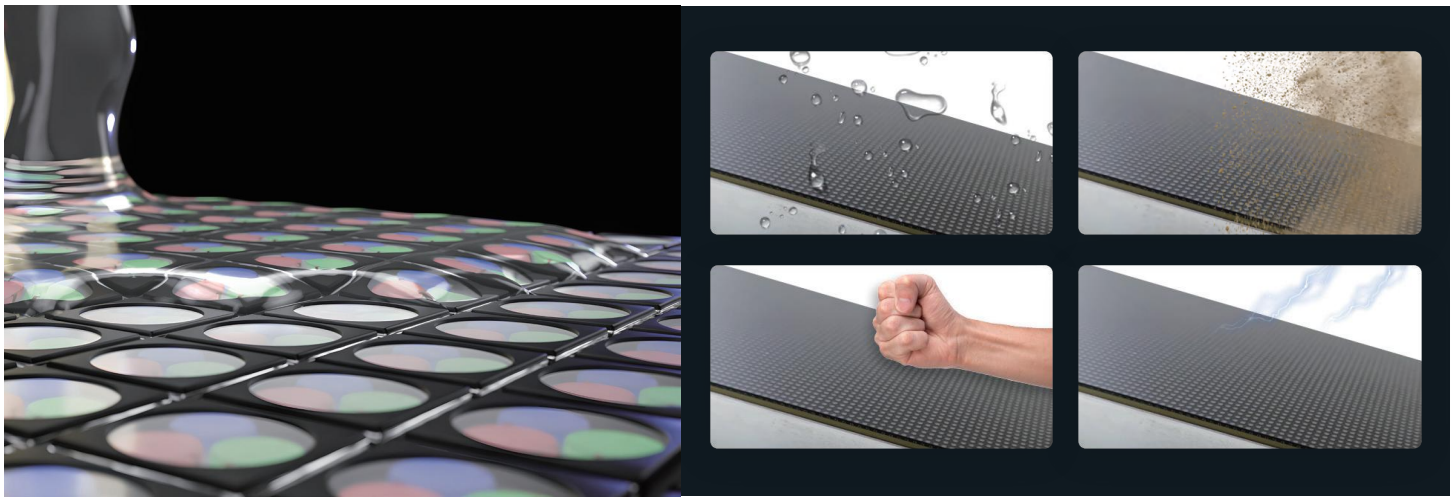


Hanging Mounting

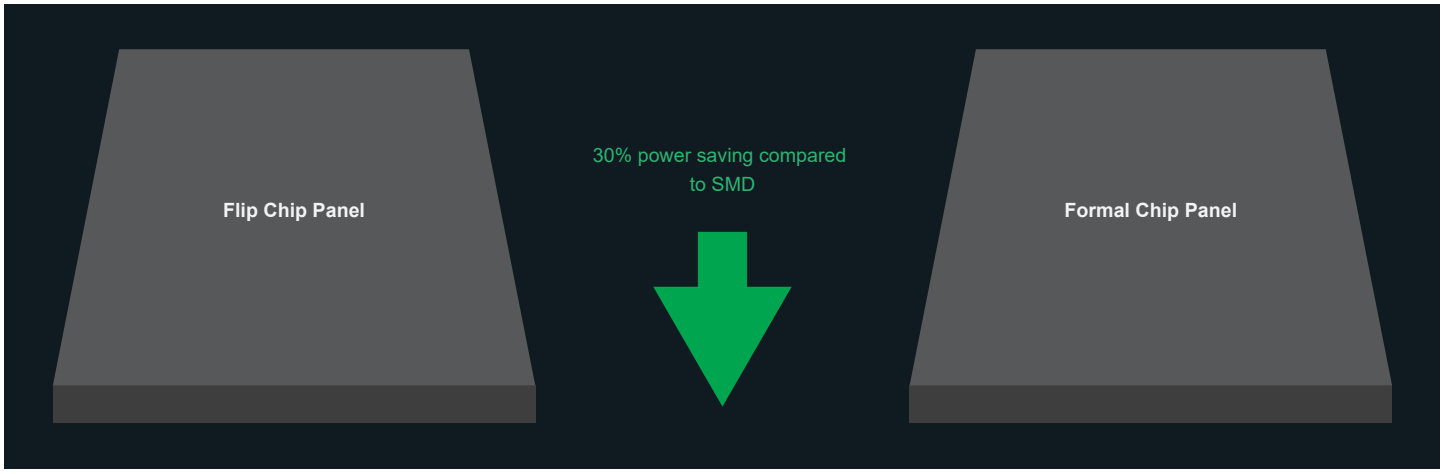


Wall Mounting

Easy Maintenance: Support full front maintenance, featuring hot-plug modules and cable-free connection. The cabinet can be hanging or wall mounted for multiple purposes.



GOB High Protection: Special treatment with GOB technology, enabling surface water- resistant, dust-resistant, impact-resistant and anti-static.



APPLICATIONS

FI MC Series Specification

SMD

Pixel Pitch (mm)	P0.9375	P1.17	P1.25	P1.56	P1.87	P2.5	P3.7
Cabinet Resolution (mm)(W×H)	640×360	512×288	480×270	384×216	320×180	240×135	160×90
Pixel Density (dots/m²)	1,137,778	728,270	640,000	409,600	284,444	160,000	71,111
Cabinet Size (mm)(W×H)	600×337.5						
Brightness (nits)	≤800	≤800	≤800	≤800	≤800	≤1200	≤1200
Gray Scale (bit)	14~16						
Pixel Calibration	Support brightness and color calibration						
Color Temp (K)	2000~12000 (Adjustable)						
Control System	Synchronous control						
Drive Mode	Constant current drive (Compatible)						
Frame Rate (Hz)	50/60						
Refresh Rate (Hz)	≥3840						
Working Voltage (V)	AC: 100V~240V, 50~60Hz						
Max. Power Consumption (W/m²)	≤725	≤725	≤725	≤600	≤600	≤660	≤660
Avg. Power Consumption (W/m²)	≤280	≤280	≤280	≤280	≤240	≤260	≤260
Lifetime (H)	100,000						
Operation Temp (°C)	-10~+40						
Storage Temp (°C)	-20~+60						
Operation Humidity (RH)	10%~80%, no condensation						
Cabinet Weight (kg)	5.1/7.7						

FLIP CHIP MIP(High Contrast)

Pixel Pitch (mm)	P0.9375	P1.25	P1.56	P1.87	P2.5
Cabinet Resolution (mm)(W×H)	640×360	480×270	384×216	320×180	240×135
Pixel Density (dots/m²)	1,137,778	640,000	409,600	284,444	160,000
Cabinet Size (mm)(W×H)	600×337.5				
Brightness (nits)	≤1000	≤1000	≤1000	≤1000	≤1000
Gray Scale (bit)	14~16				
Pixel Calibration	Support brightness and color calibration				
Color Temp (K)	2000~12000 (Adjustable)				
Control System	Synchronous control				
Drive Mode	Constant current drive (Compatible)				
Frame Rate (Hz)	50/60				
Refresh Rate (Hz)	≥3840				
Working Voltage (V)	AC: 100V~240V, 50~60Hz				
Contrast Ratio	≤1,000,000:1				
Max. Power Consumption (W/m²)	≤700	≤700	≤700	≤700	≤700
Avg. Power Consumption (W/m²)	≤280	≤280	≤280	≤280	≤280
Lifetime (H)	100,000				
Operation Temp (°C)	-10~+40				
Storage Temp (°C)	-20~+60				
Operation Humidity (RH)	10%~80%, no condensation				
Cabinet Weight (kg)	5.1/7.7				

FLIP CHIP MIP(High Brightness)

Pixel Pitch (mm)	P0.9375	P1.25	P1.56	P1.87	P2.5
Cabinet Resolution (mm)(W×H)	640×360	480×270	384×216	320×180	240×135
Pixel Density (dots/m²)	1,137,778	640,000	409,600	284,444	160,000
Cabinet Size (mm)(W×H)	600×337.5				
Brightness (nits)	≤4000	≤4000	≤4000	≤4000	≤4000
Gray Scale (bit)	14~16				
Pixel Calibration	Support brightness and color calibration				
Color Temp (K)	2000~12000 (Adjustable)				
Control System	Synchronous control				
Drive Mode	Constant current drive (Compatible)				
Frame Rate (Hz)	50/60				
Refresh Rate (Hz)	≥3840				
Working Voltage (V)	AC: 100V~240V, 50~60Hz				
Max. Power Consumption (W/m²)	≤720	≤720	≤720	≤720	≤720
Avg. Power Consumption (W/m²)	≤280	≤280	≤280	≤280	≤280
Lifetime (H)	100,000				
Operation Temp (°C)	-10~+40				
Storage Temp (°C)	-20~+60				
Operation Humidity (RH)	10%~80%, no condensation				
Cabinet Weight (kg)	5.1/7.7				

The parameter index will change according to the specific situation of the project (the product shall be subjected to the submitted contract specification)

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Company Official Website

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