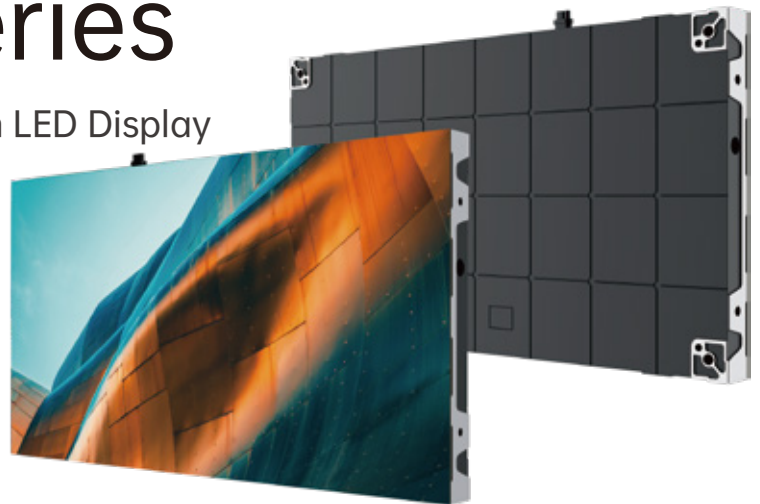




ALL YOUR IMAGINATIONS CAN BE CREATED

# Magic Cube Series

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



## PRODUCT OVERVIEW



The Magic Cube Series is an ultra-high-definition product targeting the fine-pitch LED display market. It is mainly 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

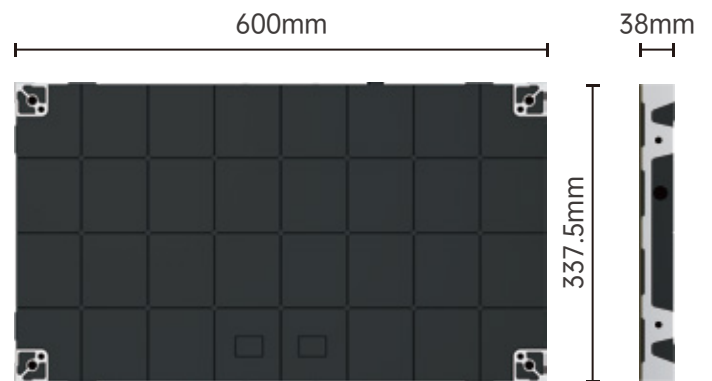
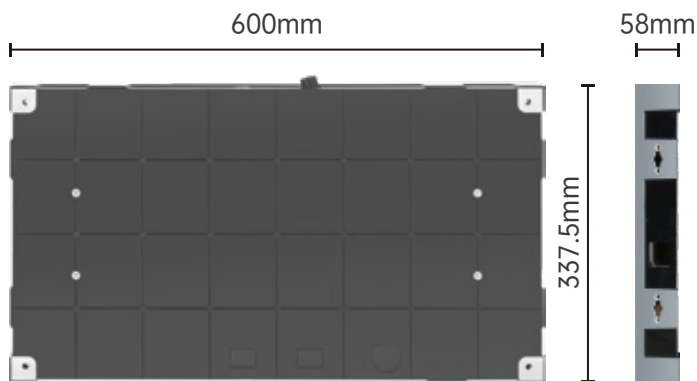


Redundant

## PRODUCT DISPLAY

Regular: 600\*337.5\*58

Ultra Thin: 600\*337.5\*38



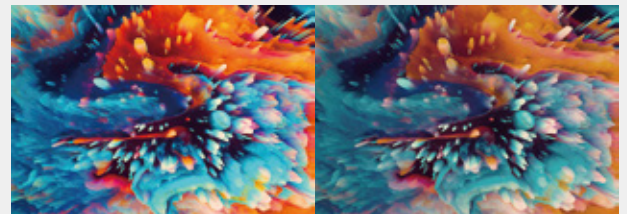
## PRODUCT FEATURES



Magic Cube Series: Low brightness, high gray scale



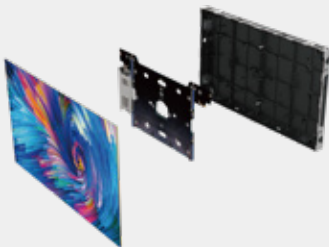
Traditional Displays: Low gray scale, poor performance



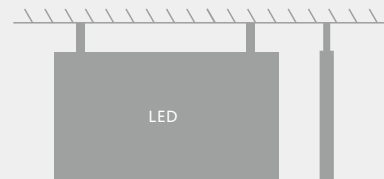
Magic Cube Series

Traditional Displays

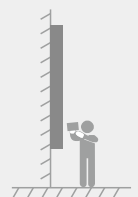
**MIP Low Power Consumption:** Advanced full flip-chip common cathode circuit design realizes low power consumption and energy saving. Special image arithmetic processing, enjoying the depth contrast of 16-bit high grayscale even at low brightness levels, delivers better color rendering, color reproduction,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



Front Maintenance Design

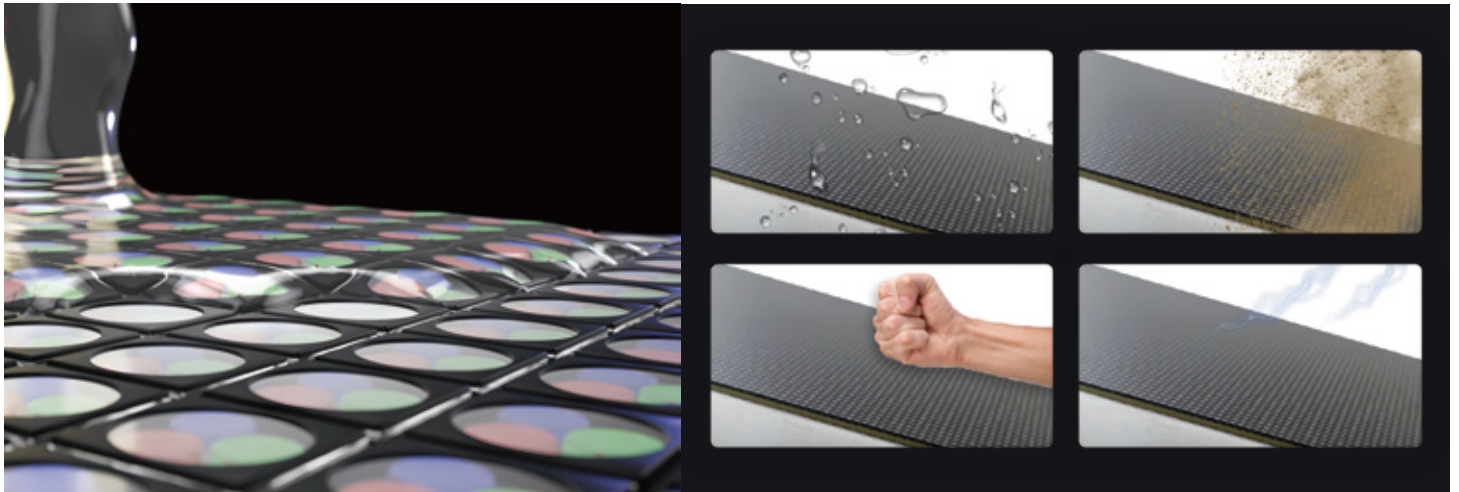


Hanging Mounting

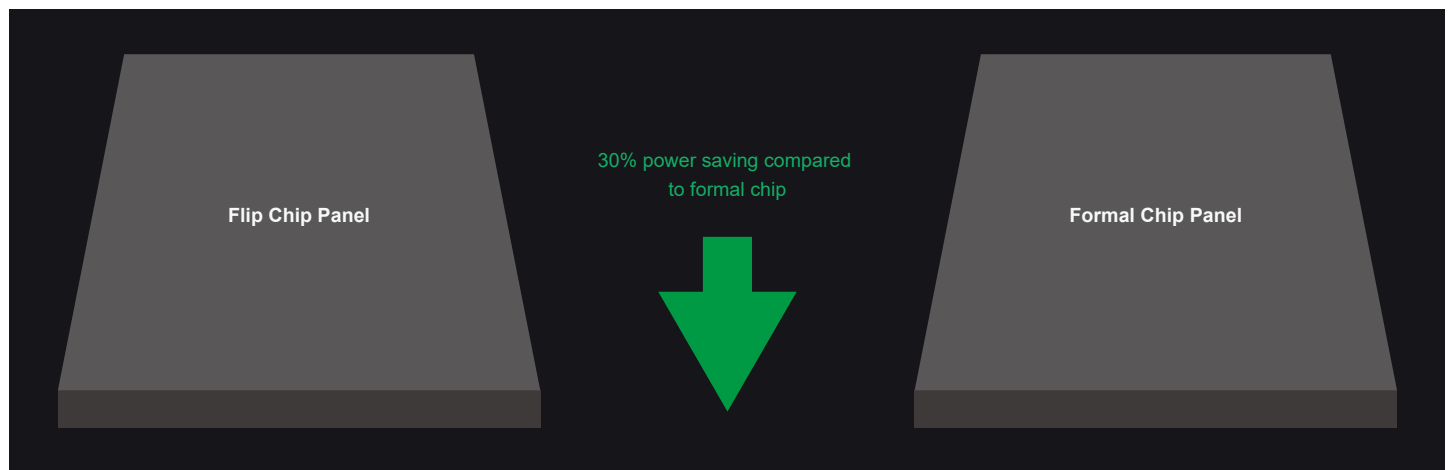


Wall Mounting

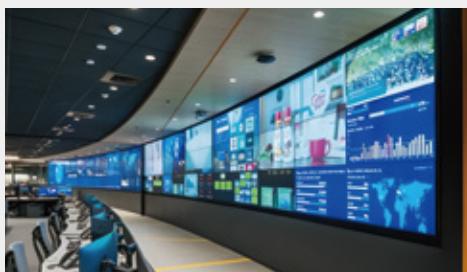
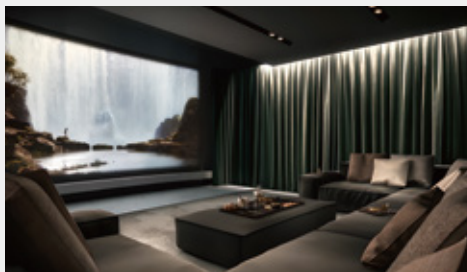
**Easy Maintenance:** Support full front maintenance, featuring hot-plug modules and cable-free connection. The cabinet can be hanging or wall mounted for multiple purposes.



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



## APPLICATIONS





# Magic Cube Series Specification

## SMD

Pixel Pitch (mm)	P0.9375	P1.17	P1.25	P1.56	P1.87	P2.5	P3.7
Cabinet Resolution (W×H)	640×360	512×288	480×270	384×216	320×180	240×135	160×90
Pixel Density (dots/m <sup>2</sup> )	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/m <sup>2</sup> )	≤725	≤725	≤725	≤600	≤600	≤660	≤660
Avg. Power Consumption (W/m <sup>2</sup> )	≤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 (W×H)	640×360		480×270	384×216	320×180	240×135	
Pixel Density (dots/m <sup>2</sup> )	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/m <sup>2</sup> )	≤700		≤700	≤700	≤700	≤700	
Avg. Power Consumption (W/m <sup>2</sup> )	≤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 (W×H)	640×360		480×270	384×216	320×180	240×135	
Pixel Density (dots/m <sup>2</sup> )	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/m <sup>2</sup> )	≤720		≤720	≤720	≤720	≤720	
Avg. Power Consumption (W/m <sup>2</sup> )	≤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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