



COB LED Display

MCOB Series

Pixel Pitch (mm) : 0.93 / 1.25 / 1.56 / 1.87

Cabinet Size (mm) : 600*337.5*31

Lightweight and Ultra-Thin Design

The MCOB Series offers sleek, ultra-thin LED cabinets in sizes 600×337.5×31, with pixel pitches of 0.93mm, 1.25mm, 1.56mm, and 1.87mm. Their lightweight construction ensures easy installation and flexibility across diverse professional environments.

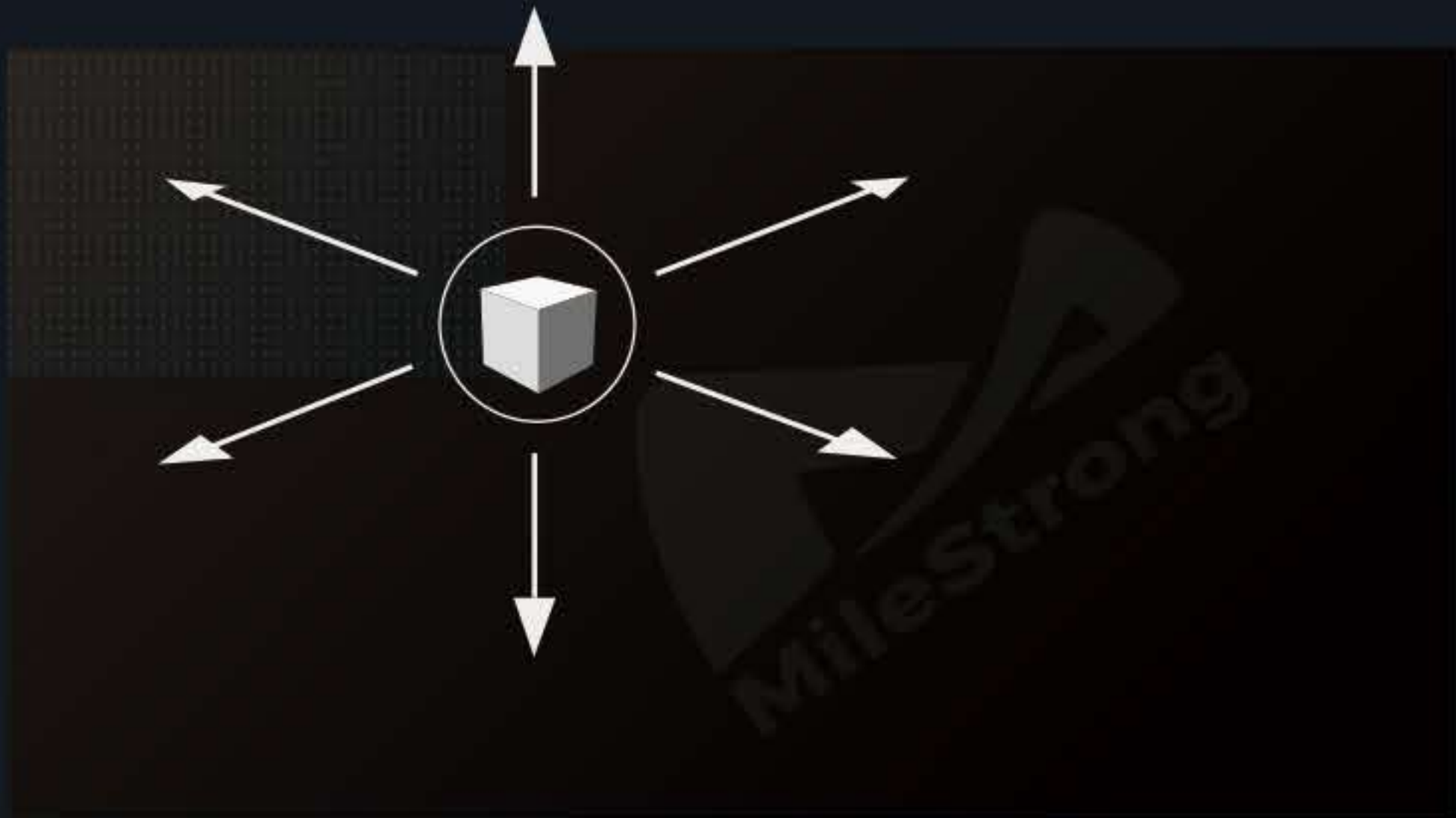


600mm

31mm

Customised Connector with Six-Way Adjustment

Equipped with precision-engineered connectors, the modules support three-axis, six-direction adjustment. Combined with cabinet magnets, this ensures perfect alignment and an exceptionally flat screen surface.



Advanced Flip-Chip COB Technology

Featuring COB (Chip-On-Board) technology, these displays deliver exceptional durability and performance. Fully sealed LEDs provide waterproof, dustproof, anti-collision, and anti-oxidation protection, while chip-level packaging enhances heat dissipation and prevents moisture-related failures. Modular design ensures a long lifespan and easy maintenance.



Vivid and Accurate Colors

With DCI-P3≥97%, 22bit+ grayscale and a 10,000:1 contrast ratio, the MCOB Series delivers stunning, vibrant visuals with true-to-life color accuracy, ensuring every detail is clear and impactful.



DCI-P3
Color Gamut



22 bit+
Grayscale



10,000: 1
Contrast Ratio

High Brightness Performance

Brightness levels ranging from 600 to 2,000 nits provide clear and impactful visuals across various indoor lighting environments.



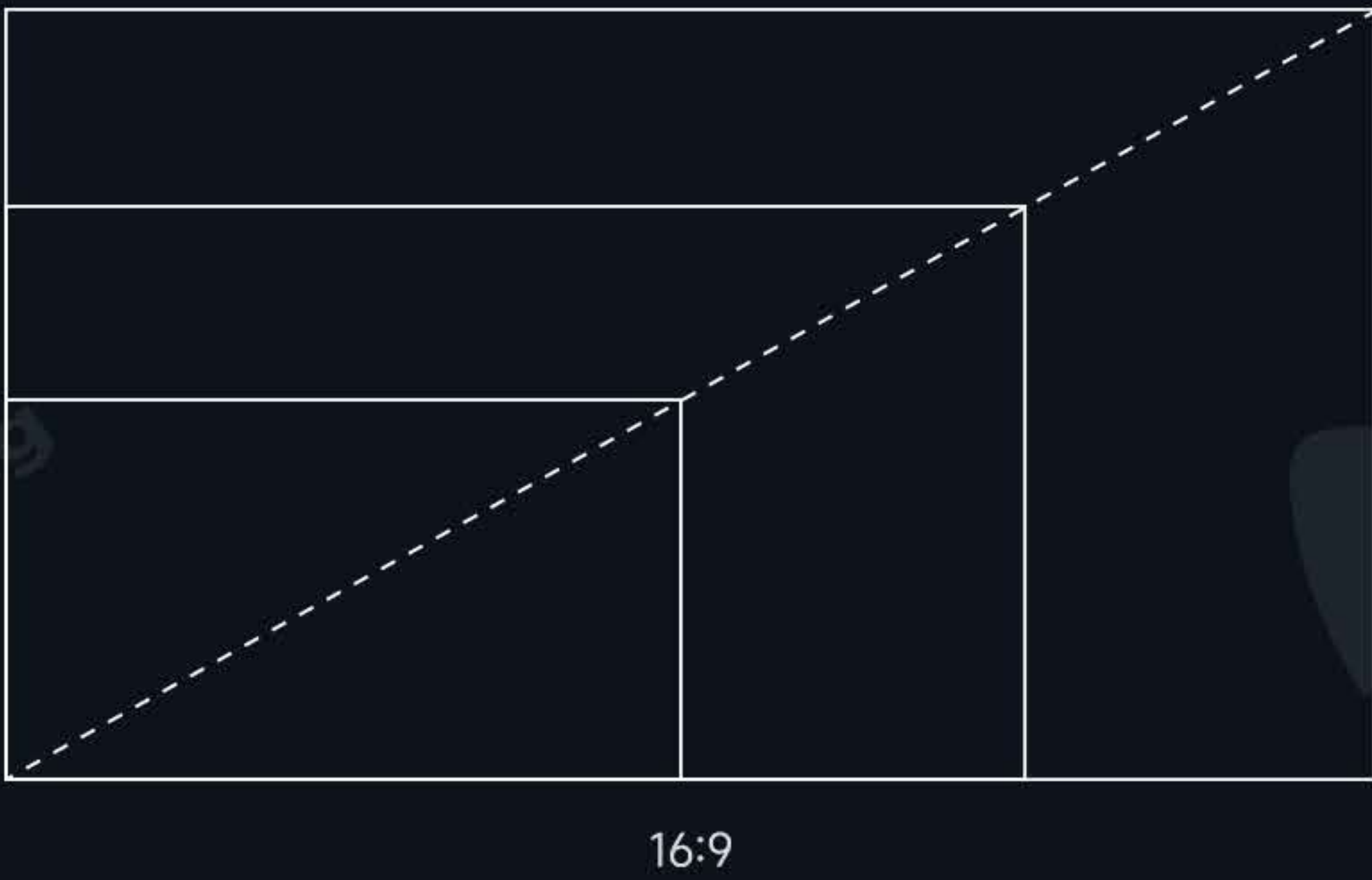
Uniform Matte Black Surface

The modules feature a refined matte black surface treatment, ensuring uniform, ink-like consistency for enhanced visual purity and reduced reflection.



Universal 16:9 Aspect Ratio

Designed with an international standard 16:9 cabinet ratio, the MCOB Series enables seamless splicing for FUHD displays and flexible configuration of 2K, 4K, and 8K large-format screens.



Wide Viewing Angle

Enjoy consistent image quality from virtually any position, with horizontal and vertical viewing angles of 170°/170°, making the display ideal for collaborative and large-scale professional environments.



170°

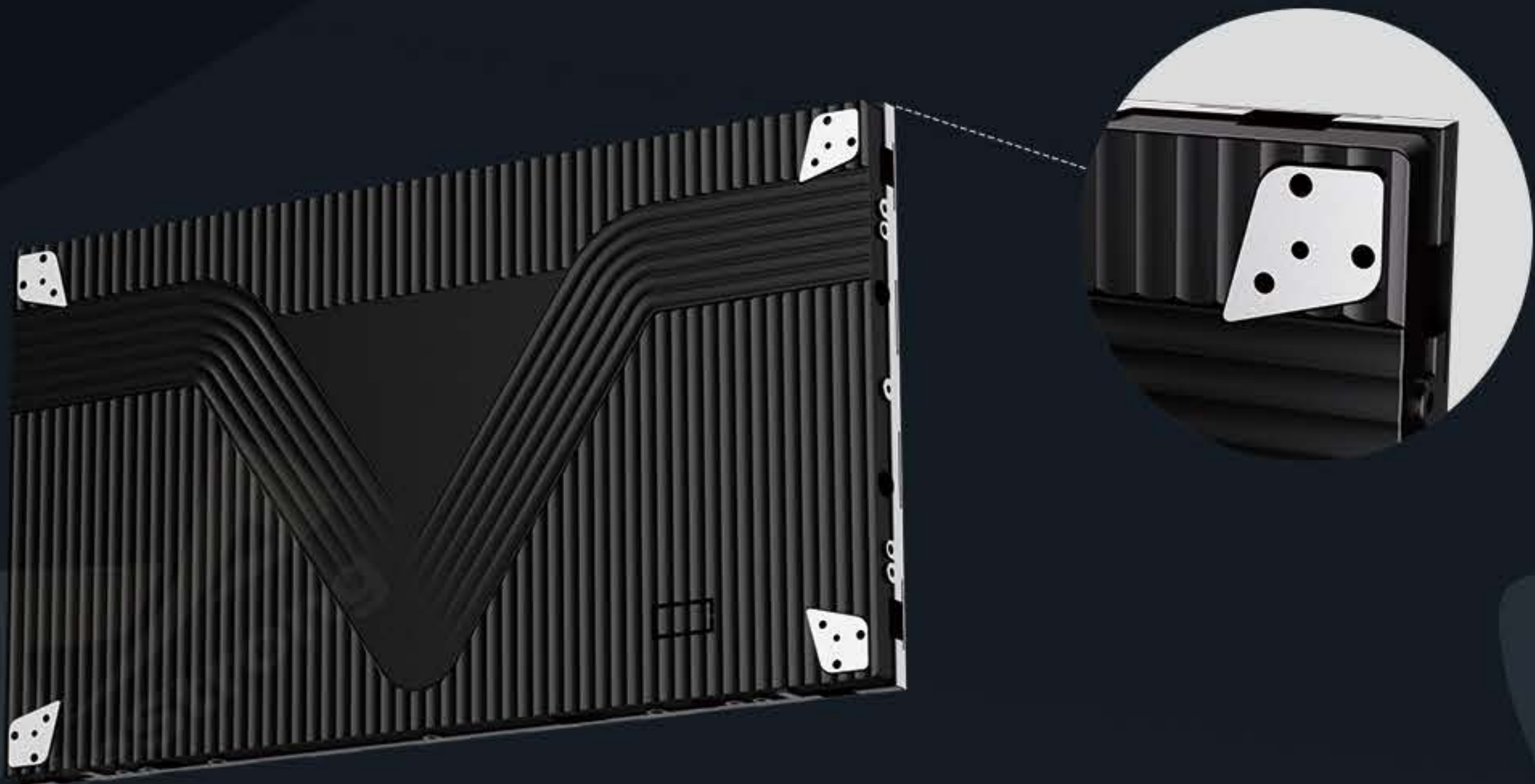
Easy Front Maintenance

Full front access with hot-swappable connections allows for quick and convenient maintenance, minimizing downtime while ensuring reliable, long-term performance.



Flexible Installation Options

Unique bi-directional mounting holes at all four cabinet corners support fixed installation, wall mounting, and other configurations, making the system adaptable to various installation environments.



Dual Backup Protection

Both the receiver card and power supply support dual backup systems. In case of signal or power module failure, the system automatically switches to the backup module, ensuring uninterrupted display performance.



Application Scenarios

Ideal for enterprise commerce, studios, command and control rooms, conference halls, broadcasting centers, and exhibition spaces, the MCOB Series delivers high-quality visuals and reliable performance across a wide range of professional environments.



Parameters

Items	MCOB09				MCOB12				
Pixel Pitch (mm)	0.9375				1.25				
Cabinet Resolution (W×H)	640×360				480×270				
Cabinet Size (mm)	600×337.5×31								
Cabinet Weight (kg)	4.5								
Panel Technology	Full flip-chip COB								
Surface Treatment	Matte black finish								
Brightness (nits)	600	1,200	2,000	600	600	1,000	1,200	2,000	
Contrast Ratio	10,000:1								
Color Temperature (K)	3,000-9,300	7,500 (adjustable)		3,000-9,300		7,500 (adjustable)			
Frame Rate (Hz)	60								
Refresh Rate (Hz)	3,840					3,840/7,680			
Input Voltage	AC100V-AC240V, 50/60Hz								
Peak Power Consumption (W/m²)	370	≤300	≤480	320	350	≤330	≤250	≤420	
Average Power Consumption (W/m²)	125	≤100	≤160	110	120	≤110	≤85	≤140	
Viewing Angle (H/V)	170°/170°								
Lifespan (h)	100,000								
Operating Temperature (°C)	-10~+50								
Operating Humidity (%RH)	10~80								

Items	MCOB15				MCOB18		
Pixel Pitch (mm)	1.5625				1.875		
Cabinet Resolution (W×H)	384×216				320×180		
Cabinet Size (mm)	600×337.5×31						
Cabinet Weight (kg)	4.5						
Panel Technology	Full flip-chip COB						
Surface Treatment	Matte black finish						
Brightness (nits)	600	1,000	1,500	550	1,000	1,500	
Contrast Ratio	10,000:1						
Color Temperature (K)	3,000-9,300	7,500 (adjustable)		3,000-9,300	7,500 (adjustable)		
Frame Rate (Hz)	60						
Refresh Rate (Hz)	3,840						
Input Voltage	AC100V-AC240V, 50/60Hz						
Peak Power Consumption (W/m²)	350	≤310	≤420	325	≤450	≤390	
Average Power Consumption (W/m²)	120	≤105	≤140	110	≤150	≤130	
Viewing Angle (H/V)	170°/170°						
Lifespan (h)	100,000						
Operating Temperature (°C)	-10~+50						
Operating Humidity (%RH)	10~80						

* The specifications are for reference only. Actual parameters may vary depending on the specific model or contractual agreement.



Bring your ideas into reality

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