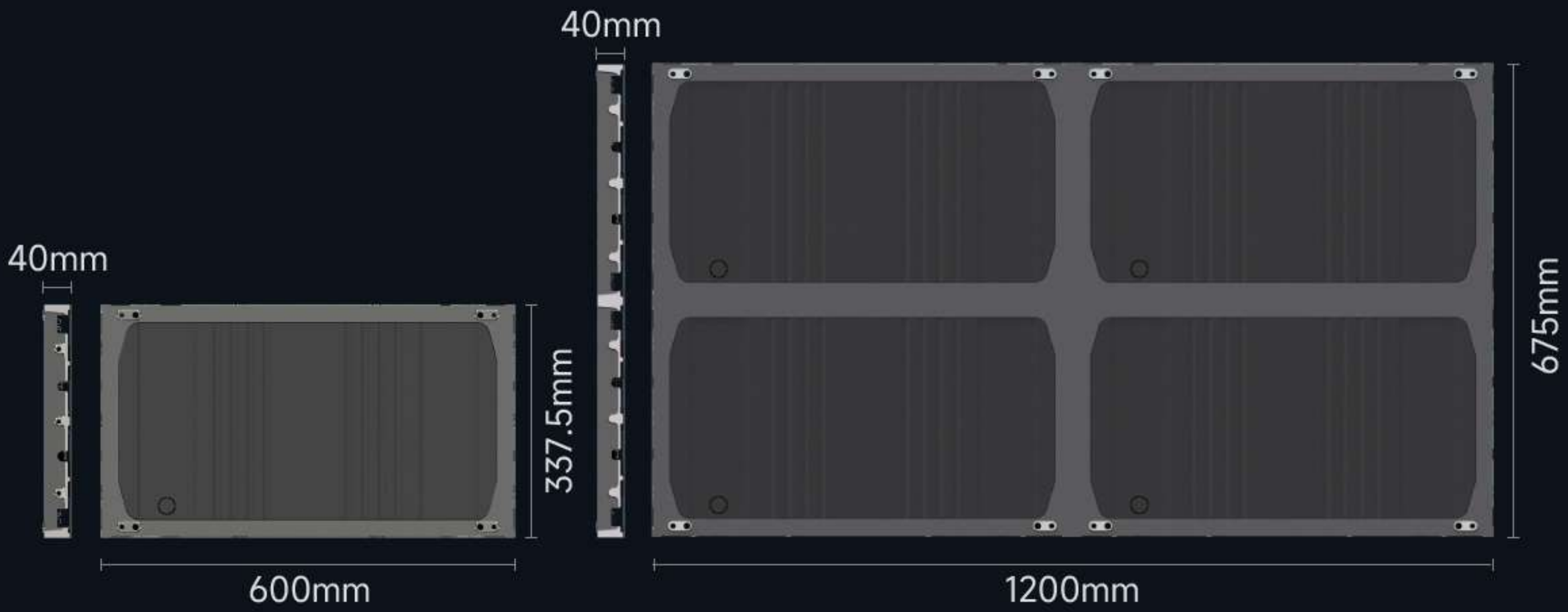MileStrong

COB LED Display

MCOB Series

Pixel Pitch (mm) : 0.62 / 0.78 / 0.93 / 1.25 / 1.56 / 1.87

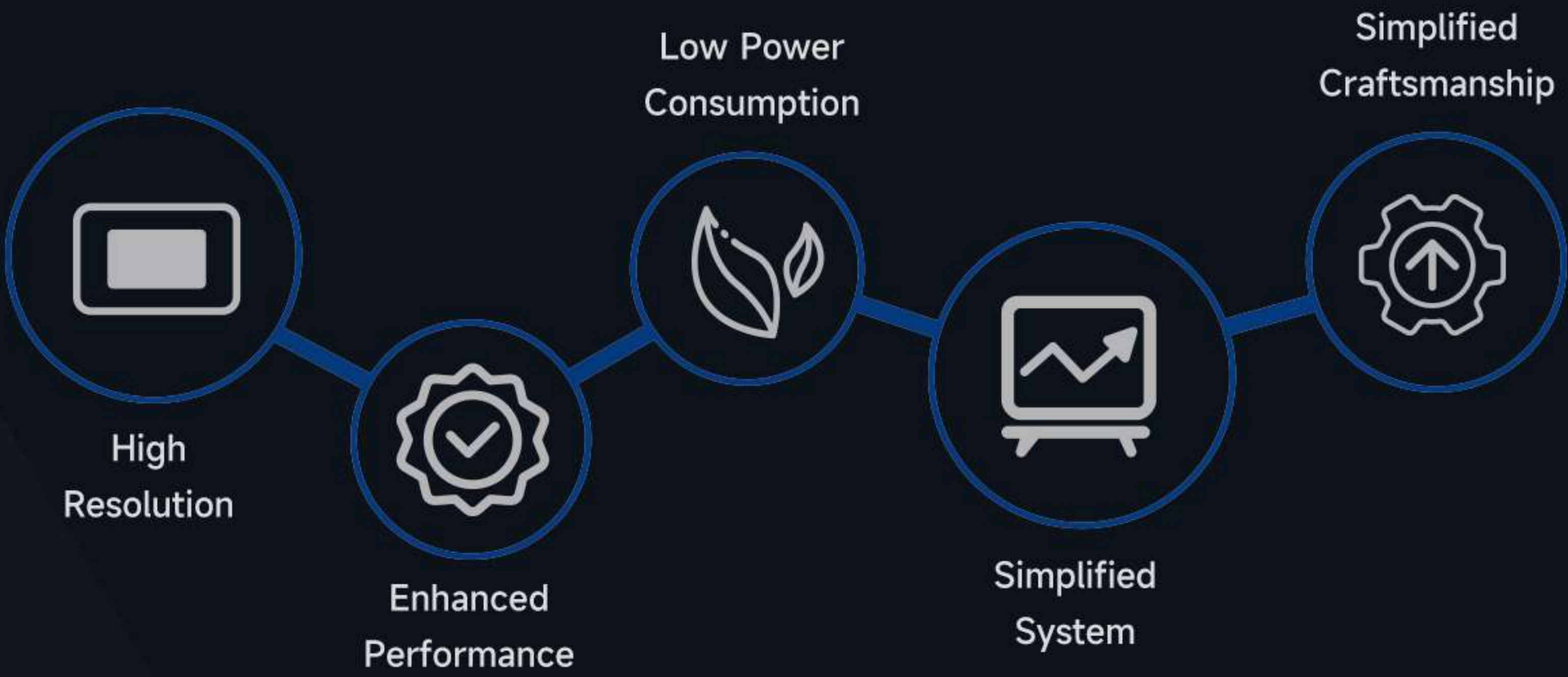**Cabinet Size (mm) : 600×337.5×40 / 1,200×675×40**

Lightweight and Ultra-Thin Design

The MCOB Series offers sleek, ultra-thin LED cabinets in sizes 600×337.5×40mm and 1,200×675×40mm, with pixel pitches of 0.62mm, 0.78mm, 0.93mm, 1.25mm, 1.56mm, and 1.87mm. Their lightweight construction ensures easy installation and flexibility across diverse professional environments.

40mm

40mm

337.5mm

600mm

675mm

1200mm

Exclusive Tri-Pixel Technology

MileStrong's patented Tri-Pixel design increases pixel density within the same panel size, delivering sharper, high-resolution images with fewer LEDs. This design reduces the number of drivers and LEDs, simplifying wiring and PCB layout for faster, more efficient production, while also enabling a one-card control system that supports smaller pixel pitches and improves overall display performance.

Industry Standard Design

1.56

4.69

4.69

VS

MileStrong Visual's Patented Design

0.52

0.52

4.69

4.69

27 LEDs, 9 pixel clusters
PH1.5,625mm

27 LEDs, 81 pixel clusters
PH0.52mm

High Resolution

Enhanced Performance

Low Power Consumption

Simplified System
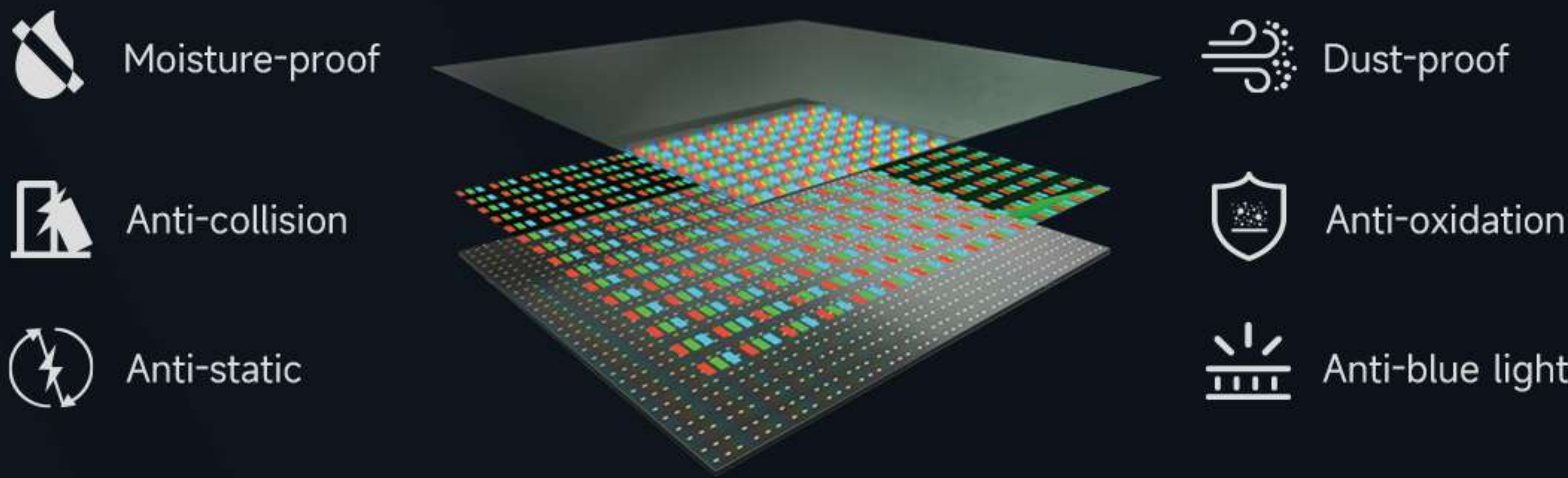
Simplified Craftsmanship

Vivid and Accurate Colors

With sRGB≥100%, DCI-P3≥97%, 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.

Color Gamut

≥100%
sRGB

≥97%
DCI-P3

Contrast Ratio

10,000:1
High contrast

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.

Moisture-proof

Anti-collision

Anti-static

Dust-proof

Anti-oxidation

Anti-blue light

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.
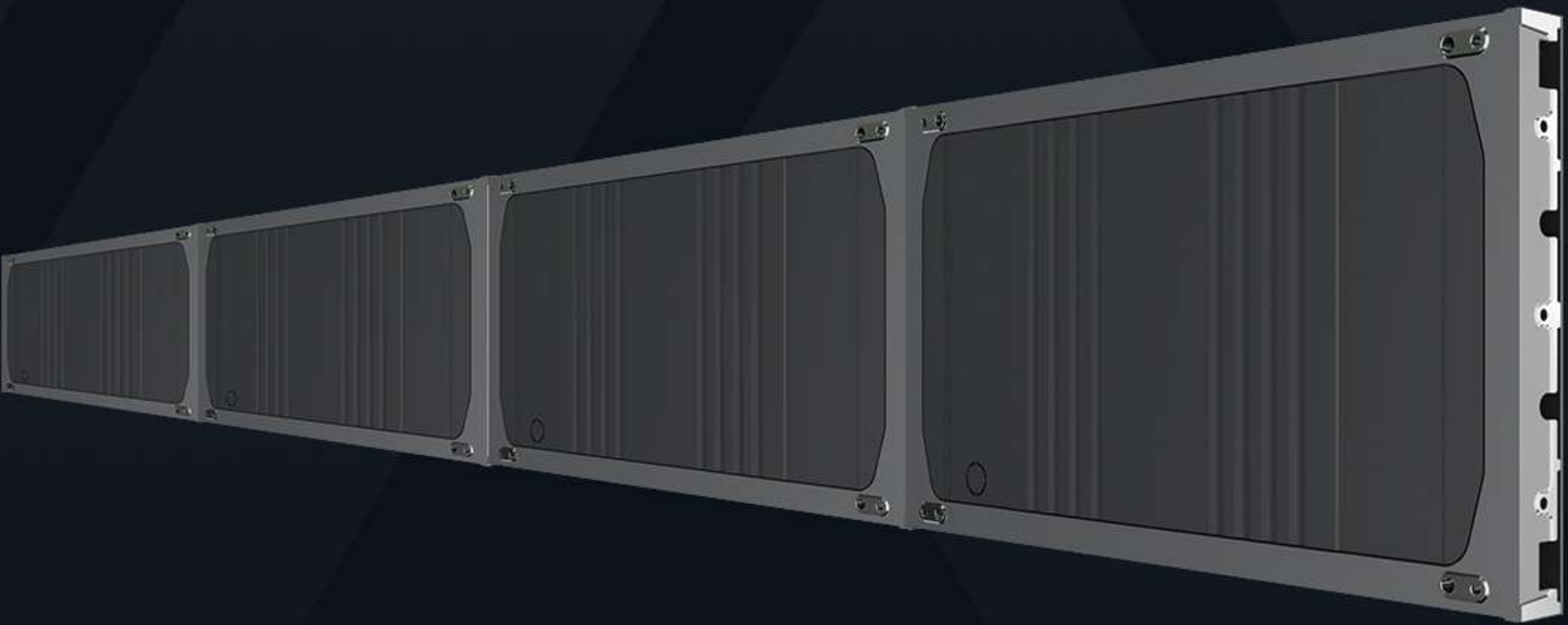

170°

Easy Front Maintenance

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

Seamless Splicing and Precision Engineering

Die-cast aluminum cabinets with CNC precision machining, combined with unique front and floating connections, achieve perfect flatness (≤0.1mm) and eliminate visible seams for a flawless visual experience.

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	MC09	MC12	MC15	MC18	MCX06	MCX07	MCX09	MCX12
Pixel Pitch (mm)	0.93	1.25	1.56	1.87	0.62	0.78	0.93	1.25
Module Size (mm)	300×168.75							
Module Resolution (W×H)	320×180	240×135	192×108	160×90	480×270	384×216	320×180	240×135
Module Arrangement (W×H)	2×2 / 4×4							
Cabinet Size (mm)	600×337.5×40 / 1,200×675×40							
Cabinet Resolution (W×H)	640×360 1,280×720	480×270 960×540	384×216 768×432	320×180 640×360	960×540 1,920×1,080	768×432 1,536×864	640×360 1,280×720	480×270 960×540
Pixel Density (pixels/m²)	1,137,777	640,000	409,600	284,444	2,560,000	1,638,400	1,137,777	640,000
Cabinet Weight (kg)	3.9 / 15.6							
Cabinet Flatness (mm)	≤0.1							
Brightness (nits)	0-600 (adjustable)				0-500 (adjustable)			
Color Temperature (K)	2,000-12,000 (adjustable)							
Viewing Angle (H/V)	170°/170°							
Contrast Ratio	10,000:1				8,000:1			
Peak Power Consumption (W/m²)	300	300	270	270	300	300	270	270
Average Power Consumption (W/m²)	120	120	100	100	120	120	100	100
Input Voltage	AC100V–AC240V @ 50Hz/60Hz							
Frame Rate (Hz)	50/60							
Refresh Rate (Hz)	3,840							
Grayscale (bit)	14~16							
Operating Temperature (°C)	-10~+40							
Operating Humidity (%RH)	10~80 anti-fog							
Lifespan (h)	100,000							
Maintenance	Front							
Protection Level	IP41							

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

MileStrong

Bring your ideas into reality

Shenzhen MileStrong Conventional Display Division

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Shenzhen MileStrong Transparent Display Division

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Shenzhen Milestrong Technology Co., Ltd.

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