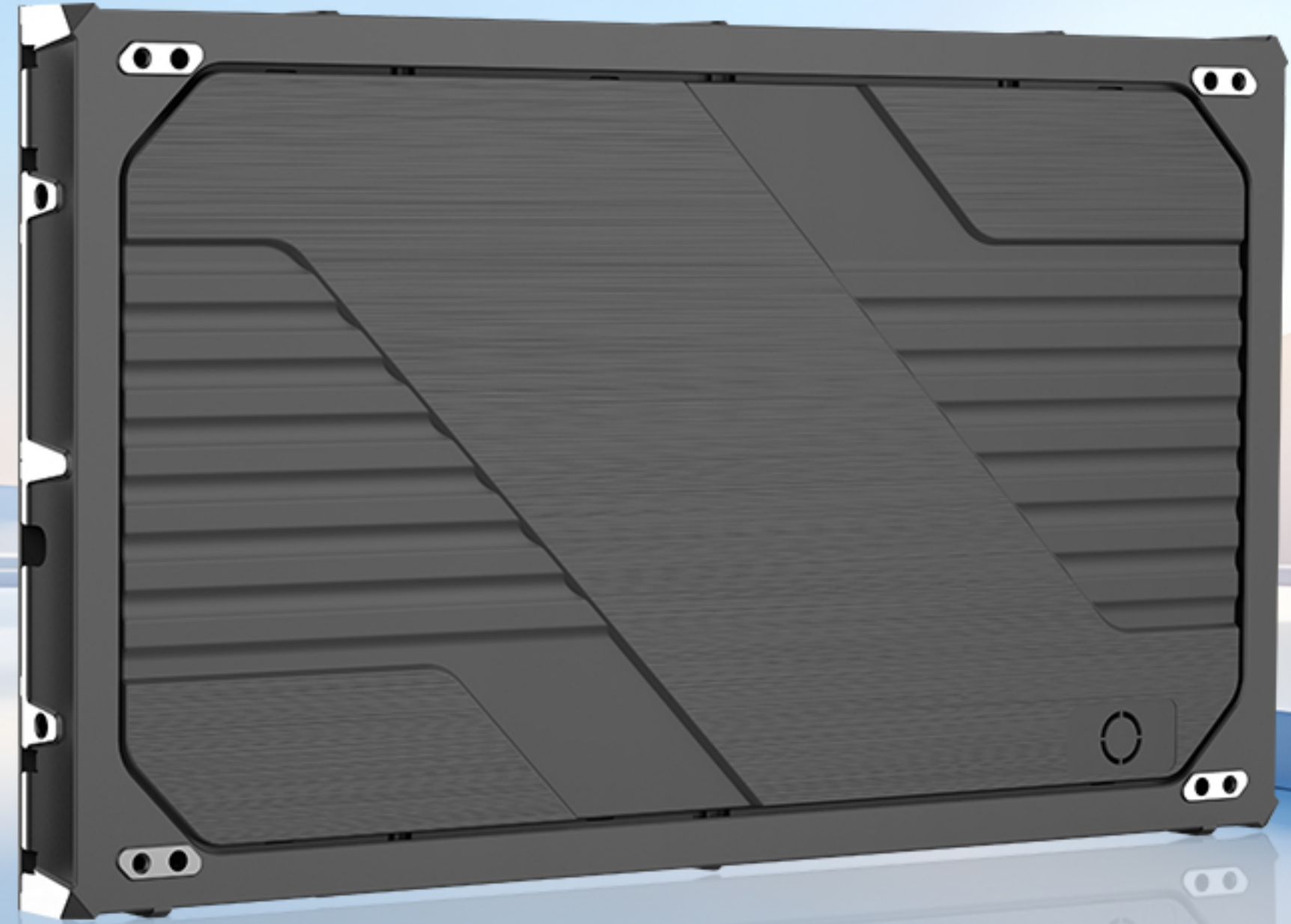
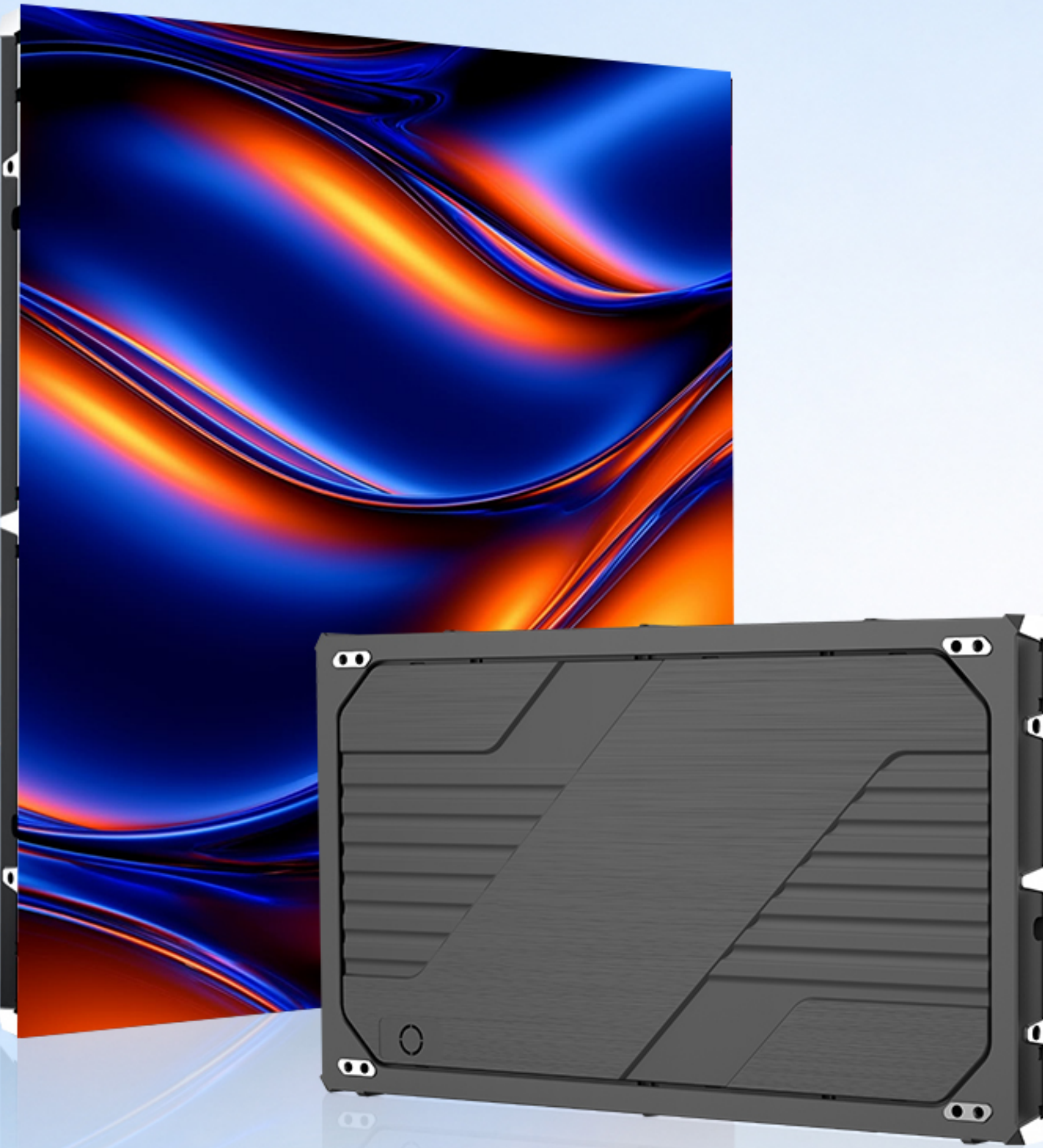


ENERGY-EFFICIENT COB LED DISPLAY

ECOB SERIES





ECOB SERIES

Energy-Saving Fine-Pitch COB Display

Pixel Pitch

P0.625 P0.78 P0.93 P1.25 P1.56 P1.87

Cabinet size

600mm*675mm / 600mm*337.5mm

Refresh rate

3840Hz

Module size

150x168.75mm

Brightness

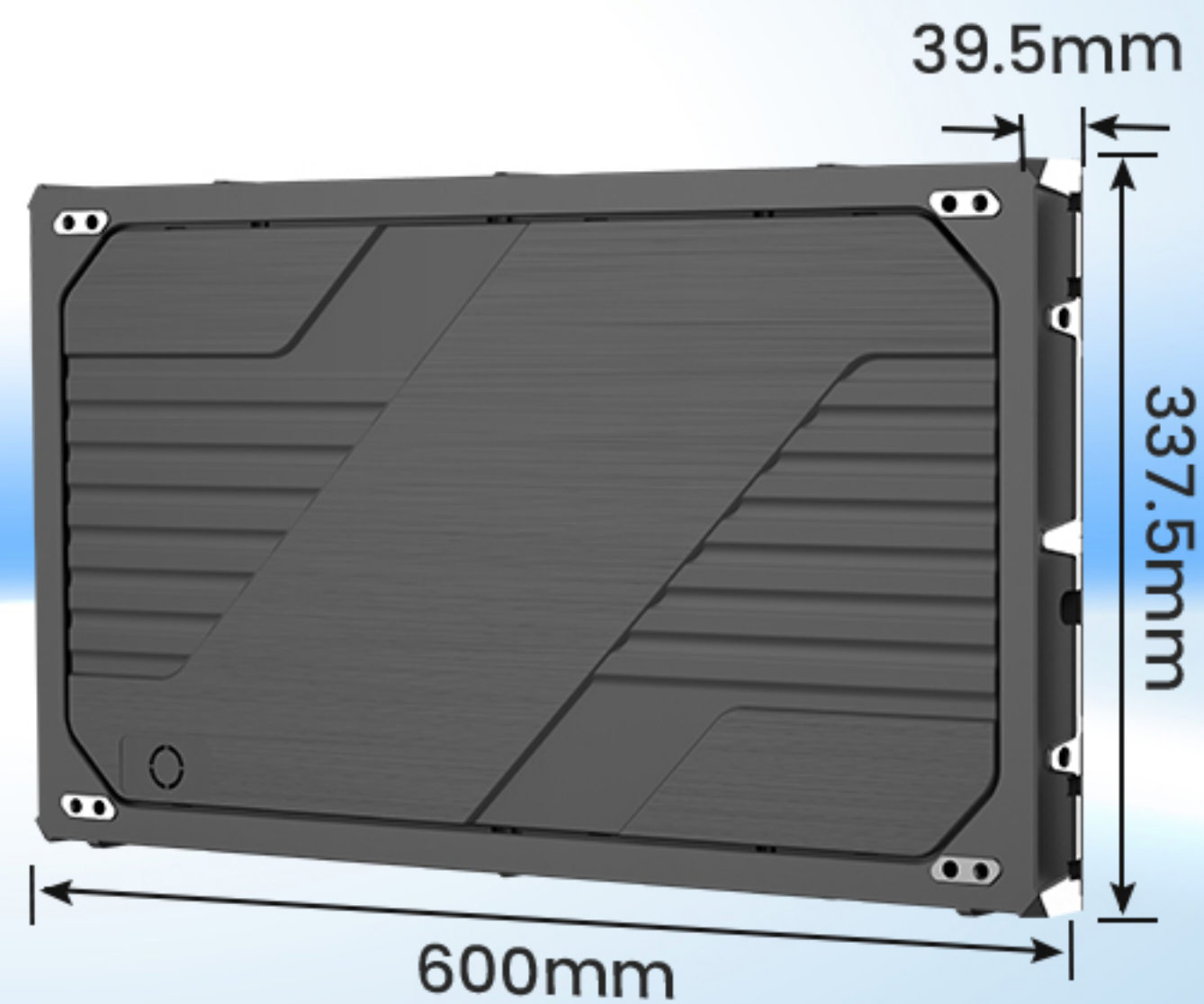
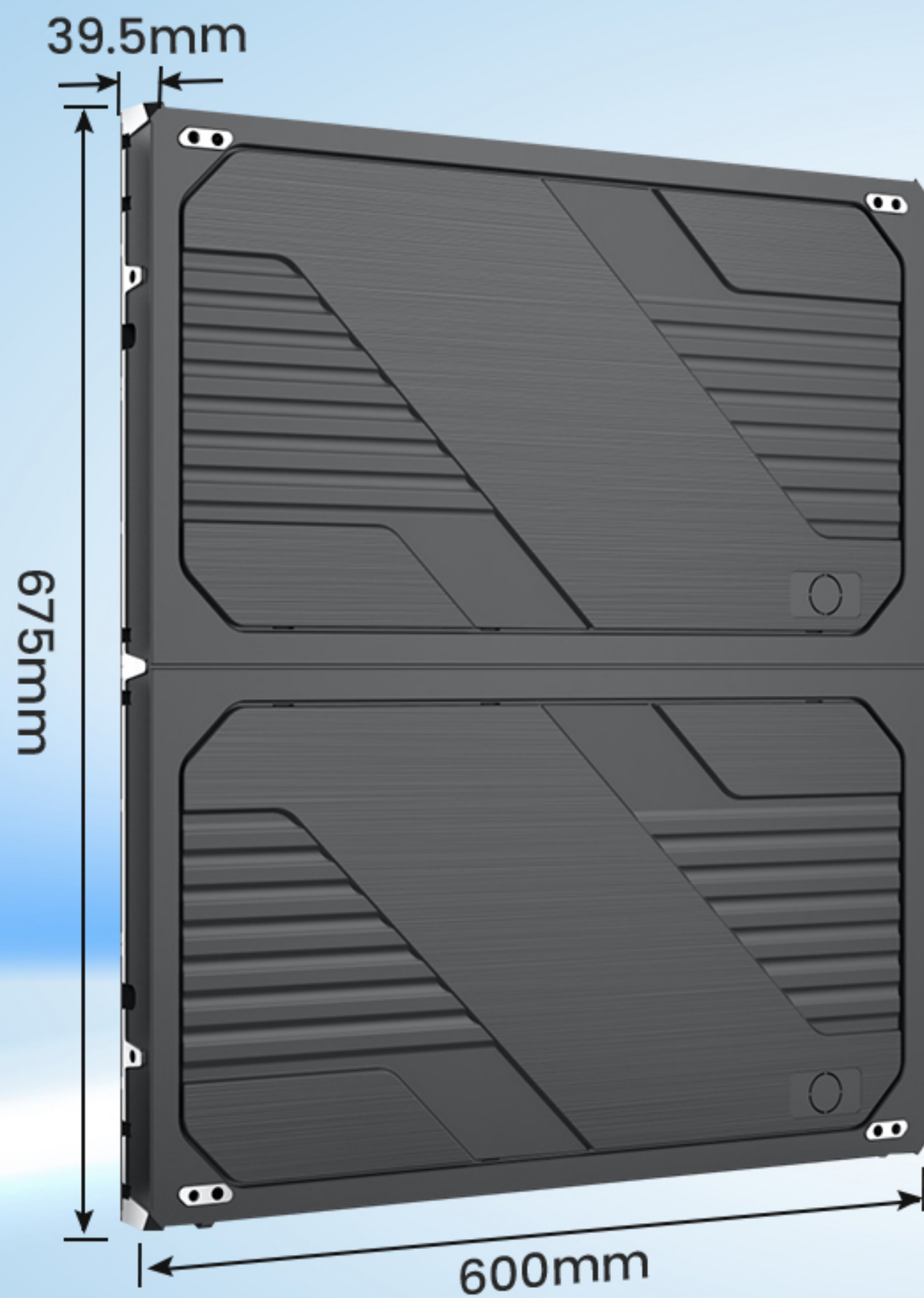
$600 \leq 1000 \text{cd/m}^2$

Weight

7.9kg/4kg

CABINET

600mm*675mm*39.5mm / 600mm*337.5mm*39.5mm



MINI FLIP CHIP COB TECHNOLOGY

ECOB Series adopts Mini Flip Chip COB technology, offering stronger surface protection, better reliability, and stable high-definition image performance.



3840HZ HIGH REFRESH RATE

Supports 3840Hz refresh rate, delivering smooth and stable visuals with reduced flicker and scan lines.



10000:1 HIGH CONTRAST RATIO

With a contrast ratio of up to 10000:1, ECOB Series delivers deeper blacks and more refined image details for premium indoor display applications.

ECOB SERIES
10000:1

Other Series
5000:1



COMMON CATHODE LOW POWER

The common cathode low-power circuit design helps reduce power consumption and heat generation, making it suitable for long-term stable operation.



Common Cathode
Energy Saving

Max. Power

130W

Average Power

65W

FRONT SERVICE DESIGN

Supports front service maintenance, ideal for wall-mounted, embedded, and space-limited indoor installations.



BETTER DARK COLOR UNIFORMITY

ECOB Series provides better dark color uniformity, reducing grayish blacks, color blocks, and brightness inconsistency. The overall screen image appears cleaner, more uniform, and more professional.



IP65 PROTECTED MODULE SURFACE

Cleanable with water and protected against dust, moisture, impact, static, oxidation, and blue light.

Moisture-proof

Anti-collision

Dust-proof

Anti-static

Anti-oxidation

Anti-blue light

DDWdisplay

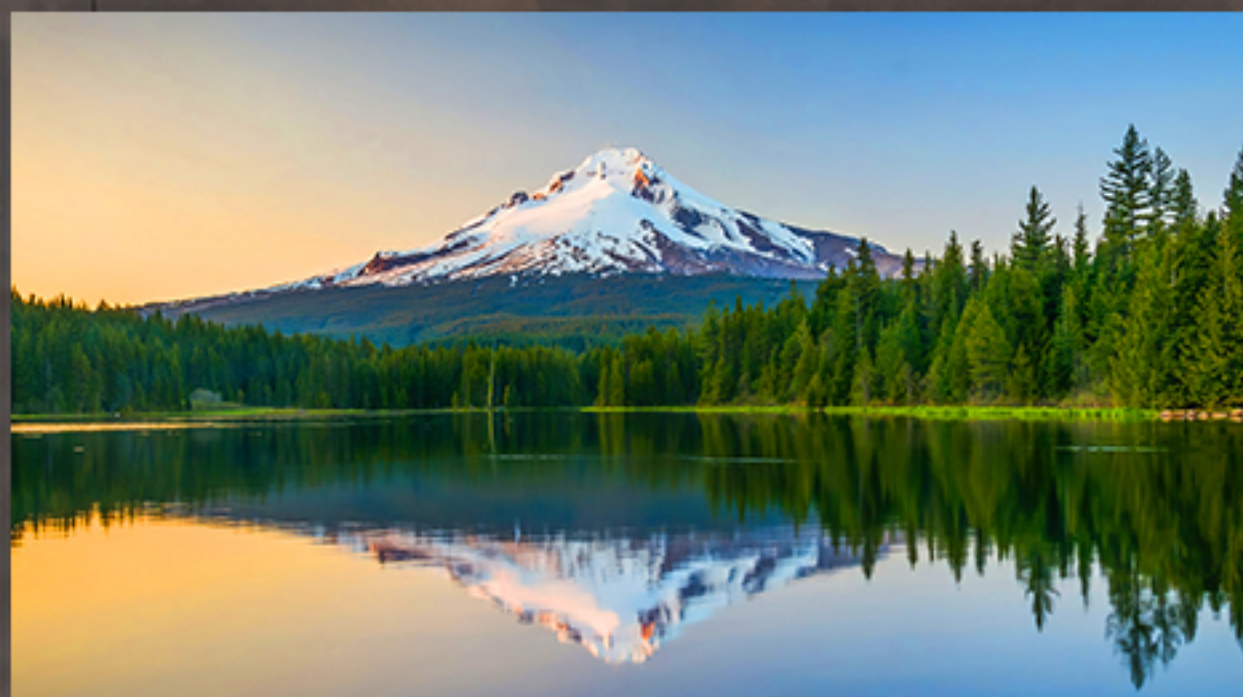
16:9 GOLDEN RATIO DISPLAY

Supports standard 16:9 display ratio, making it easier to build HD / 4K / 8K LED video wall systems.

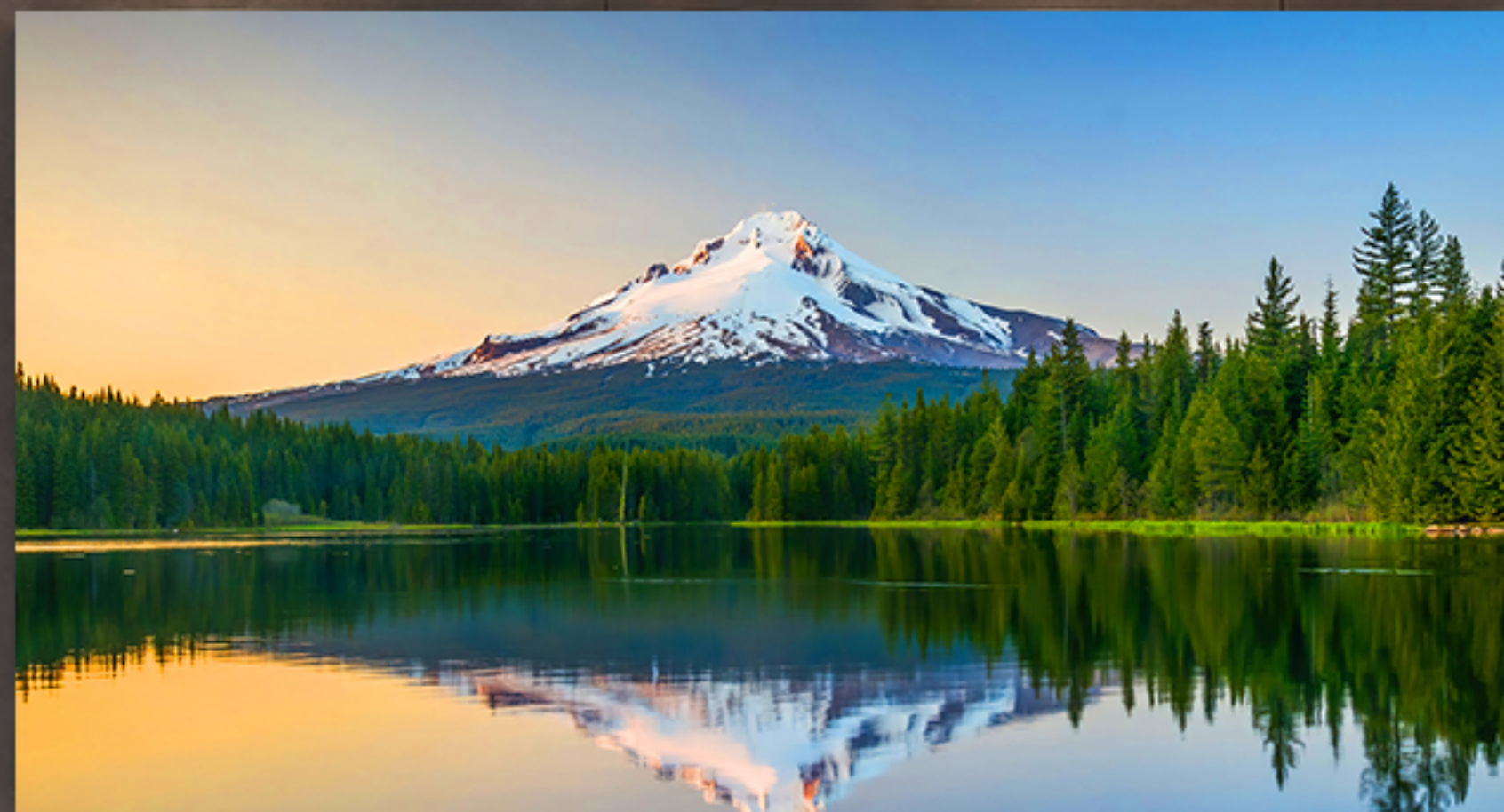
2K



4K



8K



16:9



16:9

INNER CURVED INSTALLATION

ECOB Series supports inner curved installation, with a 2° optional angle, enabling curved LED video walls and creative indoor display designs.



LIGHTWEIGHT CABINET

The cabinet weighs only 4kg and uses aluminum die-casting material, offering high precision, better flatness, excellent strength, and easier installation.



ULTRA-SLIM CABINET

With only 39.5mm cabinet depth, the screen delivers a slim, clean, and space-saving installation effect for meeting rooms, control rooms, showrooms, and high-end indoor environments.

39.5mm



1000NITS HIGH BRIGHTNESS

Supports 600–1000nits brightness, delivering clear, vivid, and comfortable visuals for different indoor commercial display environments.



SPECIFICATIONS

Pixel Pitch	P0.625	P0.78	P0.93	P1.25	P1.56	P1.87
Pixel Density	2,560,000 px/ m²	1,638,400 px/ m²	1,137,777 px/ m²	640,000 px/ m²	409,600 px/ m²	284,444 px/ m²
LED Chip	Flip Chip					
Module Size (W*H)	150*168.75mm					
Module Resolution	240*270 dots	192*216 dots	160*180 dots	120*135 dots	96*108 dots	80*96dots
Surface Treatment	Matt COB					
Surface Hardness	4H					
Panel Size (W*H*D)	600mm*675mm*39.5mm / 600mm*337.5mm*39.5mm					
Panel Weight	7.9kg (600*675mm) / 4kg (600*337.5mm)					
Panel Resolution(dots)	960x1080 960x540	768x864 768x432	640x720 640x360	480x540 480x270	384x432 384x216	320x360 320x180
Material	Die-casting Aluminium					
Circuit Design	Options: Common Cathode Circuit / Common Anode Circuit					
Flash Correction Storage	Applicable					
Brightness	Standard 600nits / 1000nits optional					
Refresh Rate	3840Hz					
Contrast Ratio	10000:1 (Condition without lighting)					
Color Temperature	9300K (Standard)					
Viewing Angle	H160°, V160°					
Input Voltage	AC 100~240V 50/60Hz					
Max. Power Consumption/panel	190w(675mm) 95w(337.5mm)	170w/(675mm) 85w(337.5mm)	150w/(675mm) 75w(337.5mm)	140w/(675mm) 70w(337.5mm)	140w/(675mm) 70w(337.5mm)	130w/(675mm) 65w(337.5mm)
Maintenance Way	Front Service					
IP level of PCB serface	IP54 (Washable by clean water)					
Lifetime at 50% Brightness	100,000 hours					
Operating Temperature / Humidity	-10°C - +40°C/10%RH-90%RH					
Stroage Temperature / Humidity	-20°C - +60°C/10%RH-90%RH					
Certificate	CCC, EMC CLASS-A, ROHS, CQC					

APPLICATION



5 YEARS WARRANTY

Common warranty in LED field is 2 years, ours is 5
Longer warranty periods, better after-sale services
worry-free user experience



OEM&ODM

1000+
Projects

5 days
Fast delivery



Door to door

3D

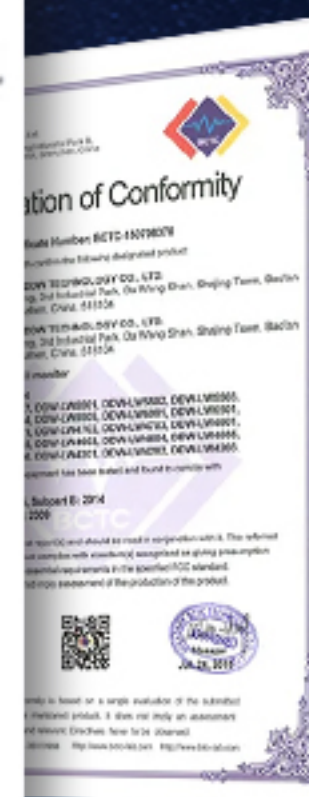
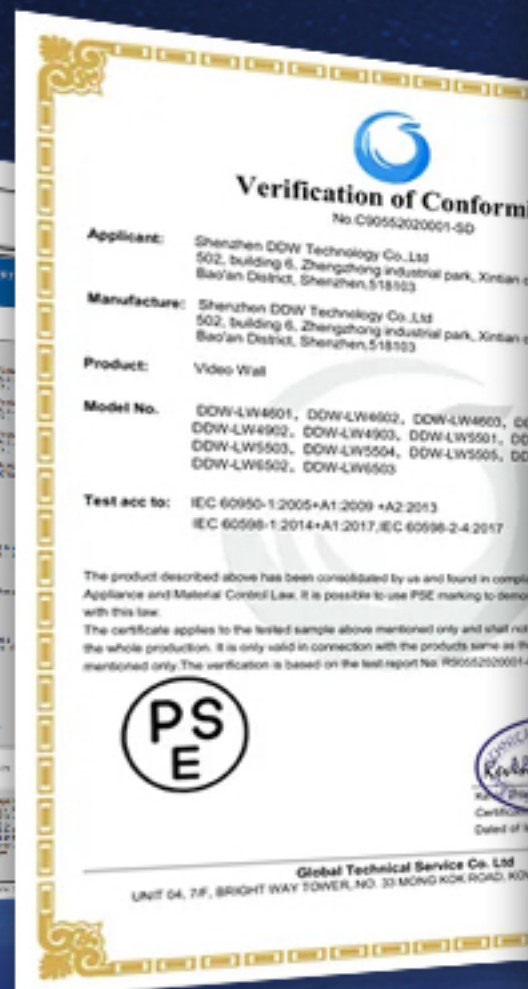
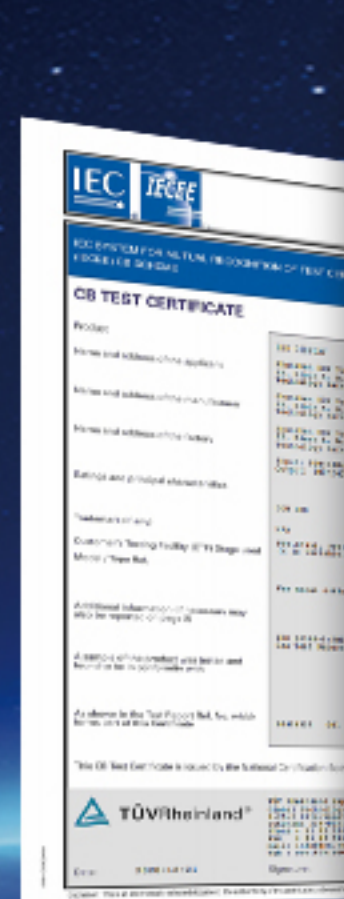
Installation video



Sample support



CERTIFICATE



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