INDOOR LED DISPLAY SOLUTIONS

XD-COB Series

Fine detail. Powerful visual impact.



Mini COB
Flip chip technology

HDR
Picture quality

Front
Service access

Built for visual precision.

Mini flip chip technology, HDR picture quality and an integrated system.

High contrast

Mini COB contrast ratio of 10000:1 / 20000:1, specified under conditions without lighting.

3-in-1 integration

Power supply, control system and hub card in one integrated system for lighter weight and more stable screen operation.

Easy to clean

Clean-water washing capability and anti-collision construction.

Precision stitching

High-precision stitching with micron tolerance and adjustment.

Efficient circuit design

Common cathode circuit with low power consumption.

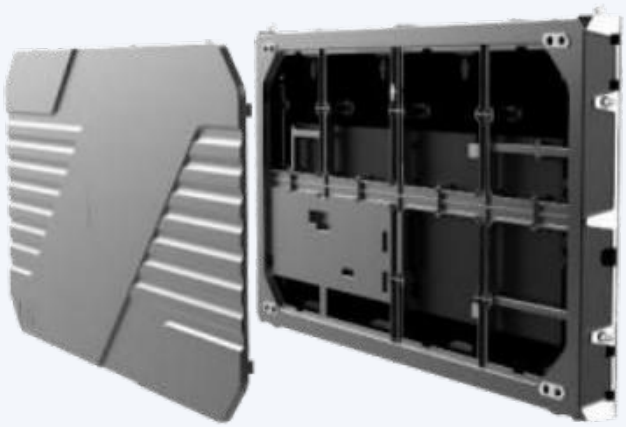
Indoor front service

Front-service maintenance for indoor installations.

Two panel formats.

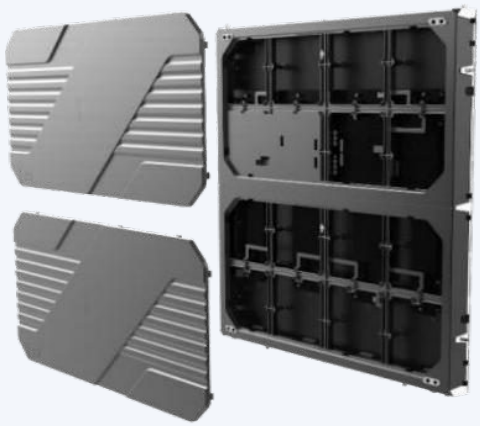
Original product views, dimensions and panel weights.

600 × 337.5 mm



600 × 337.5 × 39.5 mm / 4 kg

600 × 675 mm

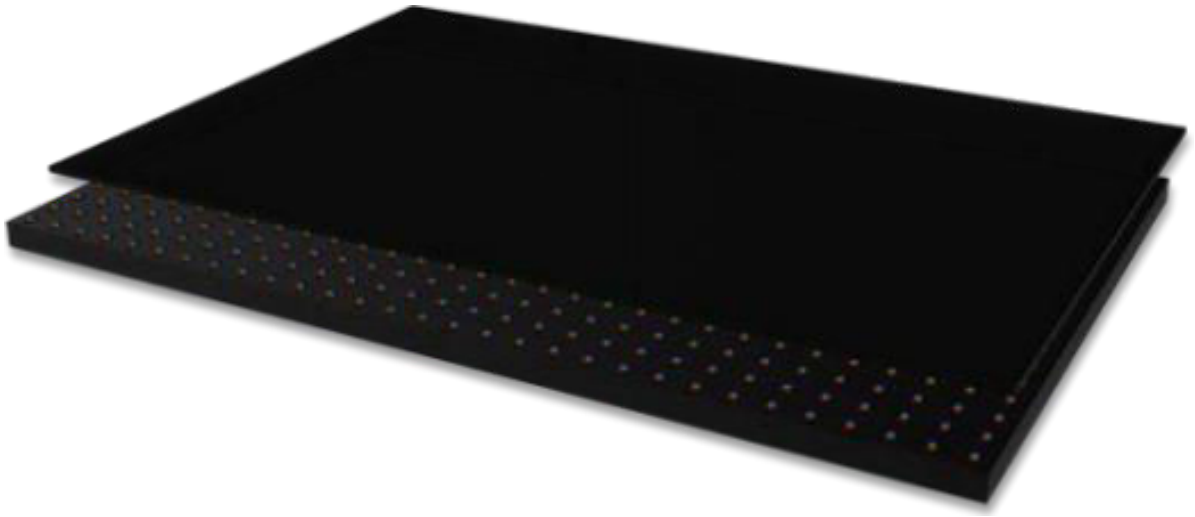


600 × 675 × 39.5 mm / 7.9 kg

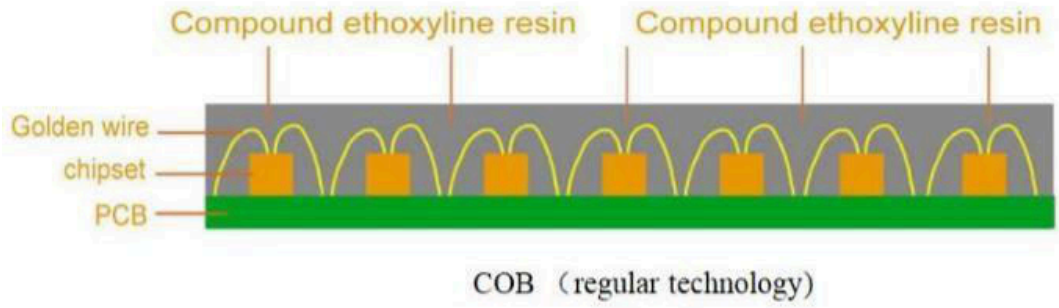
Panel-view labels in the source: 600 × 337 × 39 mm and 600 × 675 × 39 mm. The technical table specifies the exact sizes shown above.

The flip chip advantage.

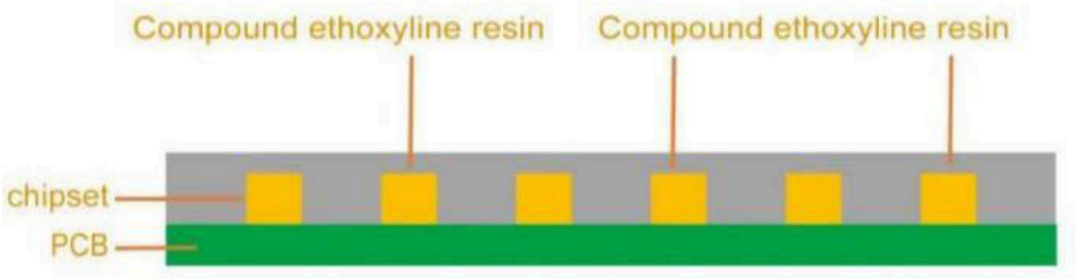
Higher contrast ratio with mini flip chip technology.



REGULAR COB / FLIP CHIP COB



COB （regular technology)



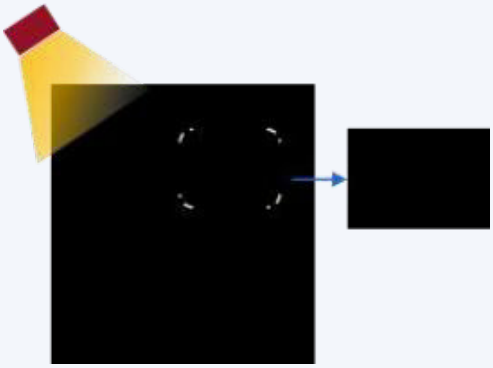
Flip Chip COB

Original technology diagram: compound ethoxyline resin, golden wire, chipset and PCB construction.

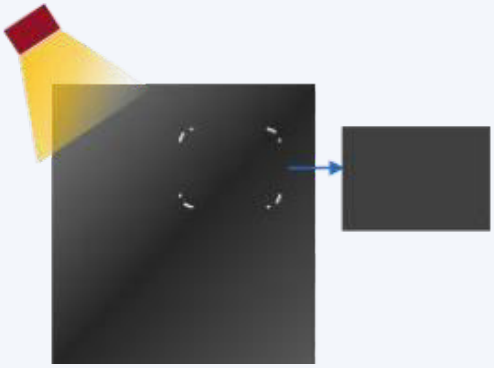
Uniformity meets reliability.

Better dark-color uniformity and the protection features listed in the source.

MINI COB



NORMAL SMD





Dual backup

Receiver card / power supply

Protection

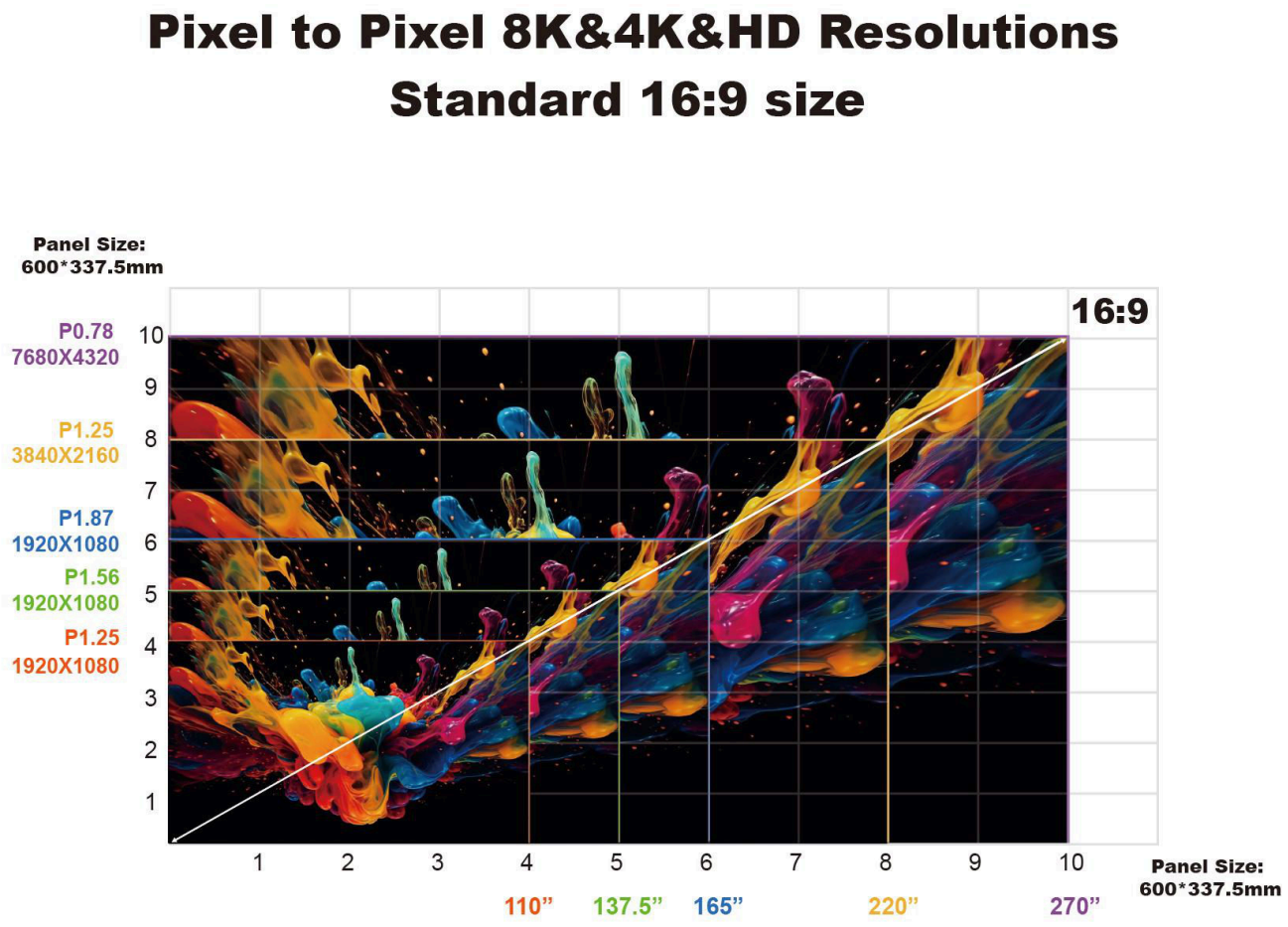
Anti-oxidation / Anti-static / Dust-proof

Surface resilience

Anti-collision / Moisture-proof / Anti-blue light

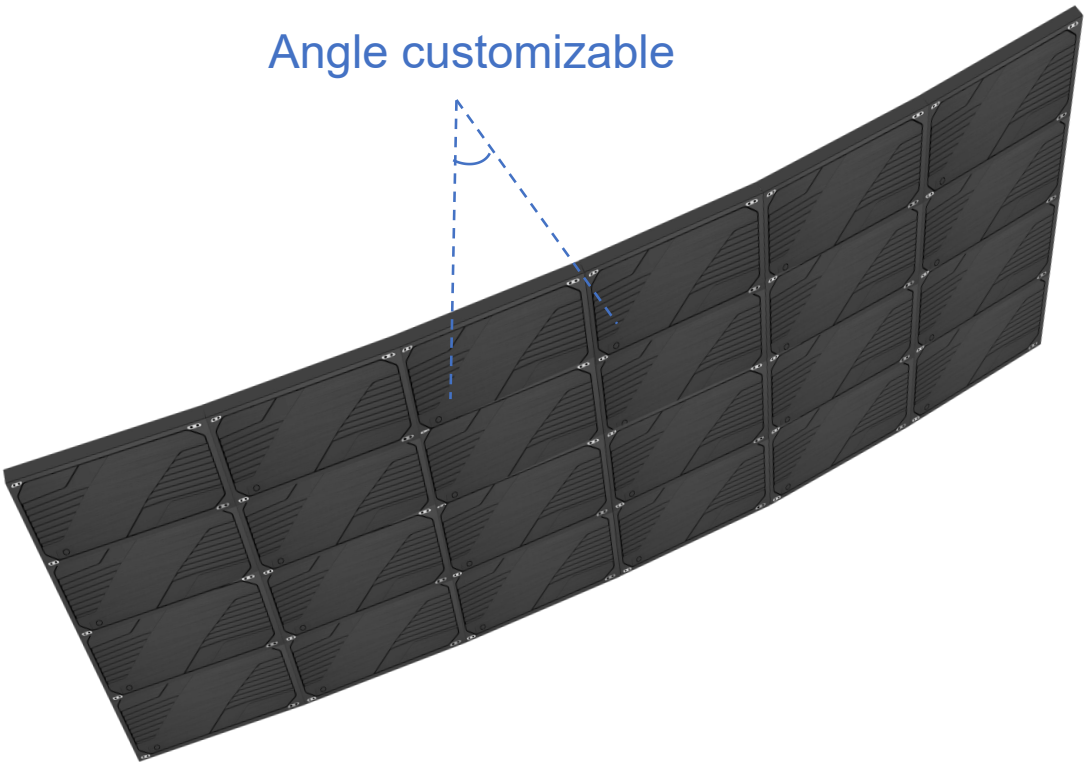
A canvas in perfect proportion.

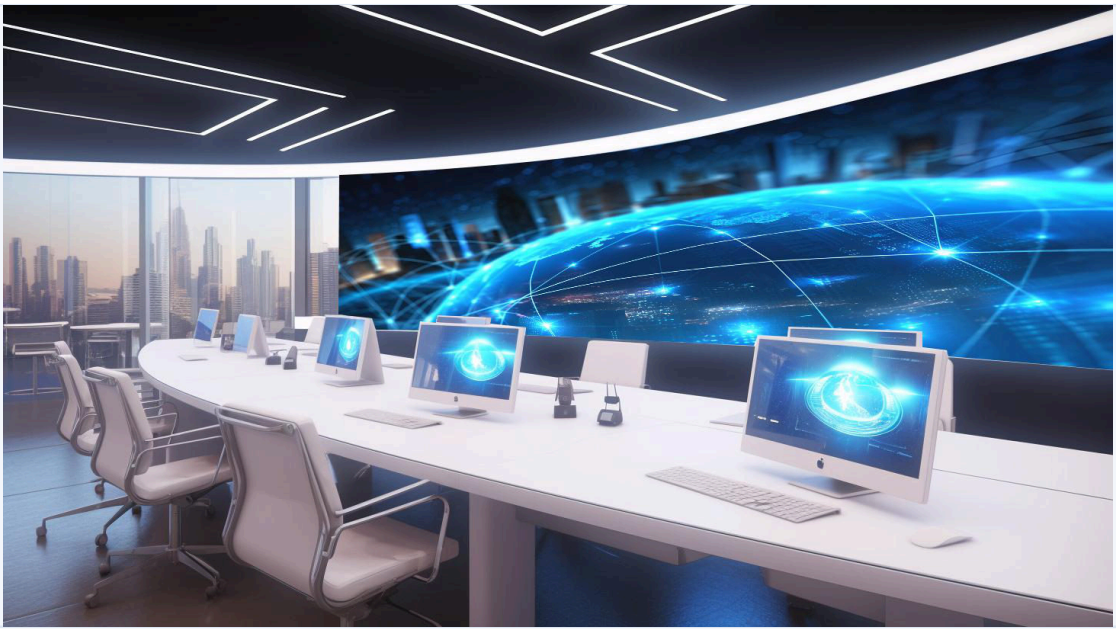
Golden ratio: pixel-to-pixel 8K, 4K and HD resolutions in standard 16:9 size.



Shape the viewing experience.

Inner curved installation with a customizable angle.





XD-COB Series Indoor Front Service

Pixel Pitch	P0.625	P0.78	P0.93mm	P1.25mm	P1.56mm	P1.87mm
Pixel Density	2,560,000 px/㎡	1,638,400 px/㎡	1,137,777 px/㎡	640,000 px/㎡	409,600 px/㎡	284,444 px/㎡
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	80×90 dots
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)	960×1080 / 960×540	768×864 / 768×432	640×720 / 640×360	480×540 / 480×270	384×432 / 384×216	320×360 / 320×180
Material	Die-casting Aluminium					
Circuit Design	Options: Common Cathode Circuit / Common Anode Circuit					
Flash Correction Storage	Applicable					
Brightness	Standard 600nits / 800nits/1000nits optional					
Refresh Rate	3840Hz/7680Hz					
Contrast Ratio	10000:1/20000:1 (Condition without lighting)					
Color Temperature	9300K (Standard)					
Viewing Angle	H160°, V160°					
Input Voltage	AC 100~240V 50/60Hz					
Max. Power Consumption (White Balance 600nits)	190w/panel (600×675mm) 95w/panel (600×337.5mm)	170w/panel (600×675mm) 85w/panel (600×337.5mm)	150w/panel (600×675mm) 75w/panel (600×337.5mm)	140w/panel (600×675mm) 70w/panel (600×337.5mm)	140w/panel (600×675mm) 70w/panel (600×337.5mm)	130w/panel (600×675mm) 65w/panel (600×337.5mm)
Maintenance Way	Front Service					
IP level of PCB serface	IP65 (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	Indoor					

Bring every detail into view.



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