

COB Series

Innovative 4K HD COB LED Display



High Resolution



16:9 Aspect Ratio



Seamless Connection



3840Hz



Large Viewing Angle



Strong Module



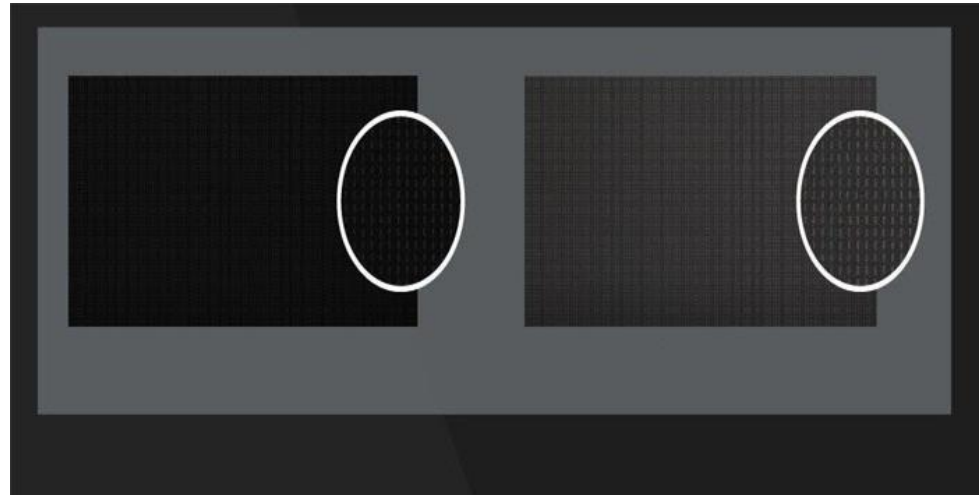
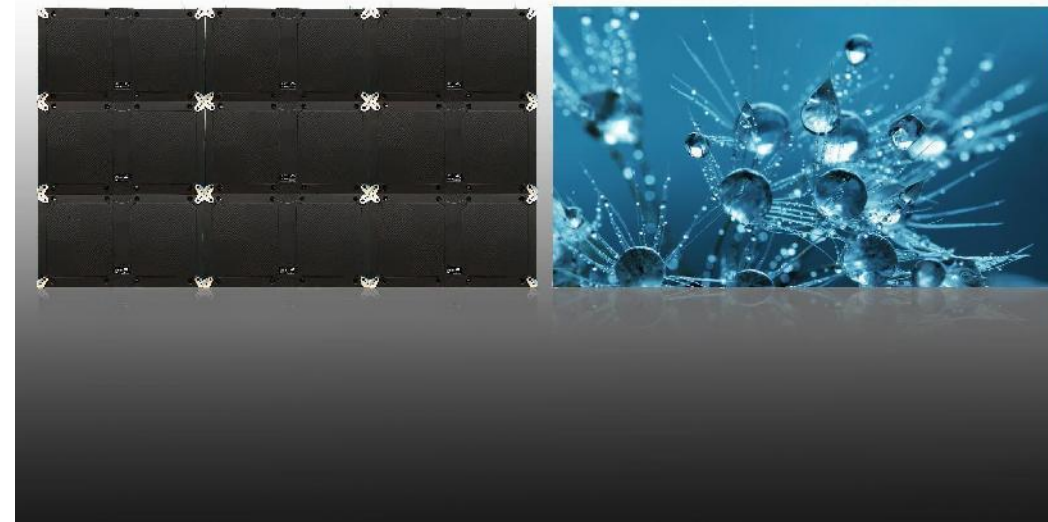
Front Access



Easy Maintenance

Excellent Color Contract Ratio

The regular black SMD LED has the color contrast ratio of 5000:1. However, our high-tech COB LED reaches a much higher color contrast ratio up to 10000:1. The color of our COB LED screen looks amazing.





Seamless Connection & 16:9 Aspect Ratio

The screen is gapless. Meanwhile, when we build a LED screen with 2K, 4K, 8K, or some other resolutions, we can still have a 16:9 screen aspect ratio.

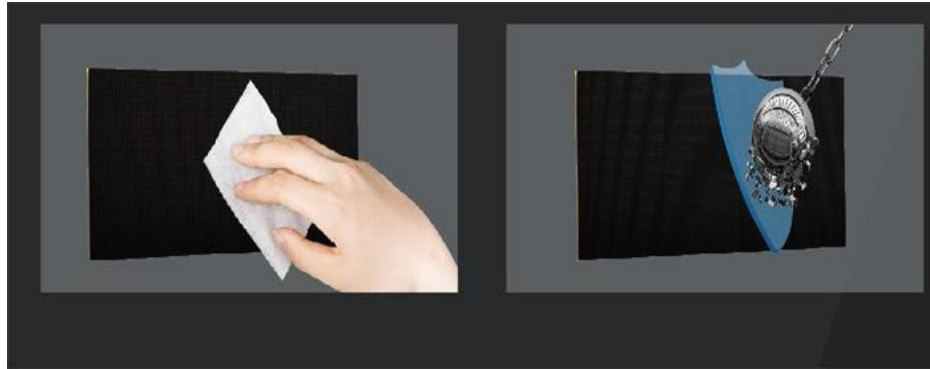
Extraordinary Visual Effects

We adopt great PCB design and high quality LED material.

With the high refresh rate(up to 3840Hz) and gray scale(up to 14bits to 16bits) , the LED display can bring us amazing visual effects.

The light from our COB LED looks softer to our eyes. Meanwhile, when the COB LED screen is playing videos or images, the visual impact is more exquisite.





Strong Module for More Secure Installation & Maintenance

When the dust, or other dirt on the LED modules, you can clean it with duster easily. Meanwhile, the LED won't get damaged by slight collision during the installation and transportation.



Larger Viewing Angle and Lower Power Consumption

More than 170 degrees of ultra-wide viewing angle delivers head-turning visual effects. And the power consumption is lower than regular LED display products.





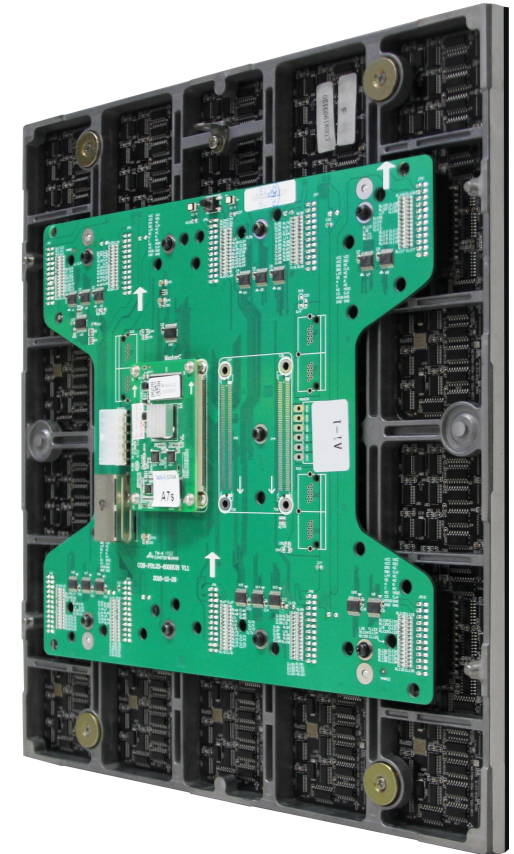
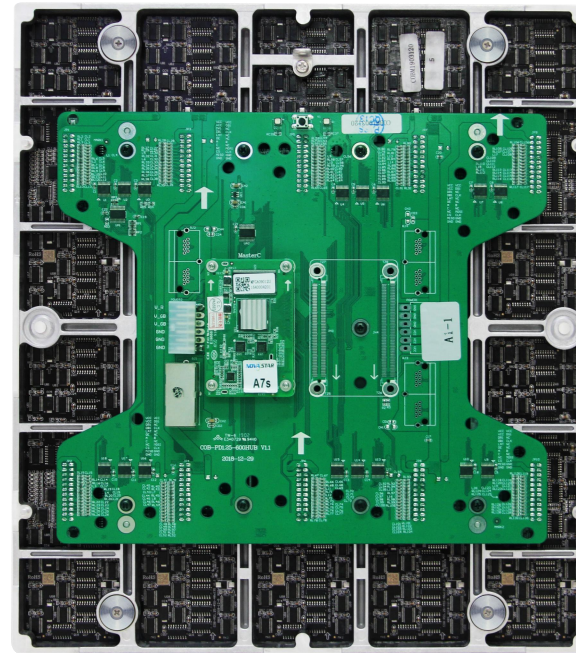
Higher Pixel Pitch

With the innovation technology and years of experience, now we could produce the world's finest pixel pitch: P0.9 and P0.7. And soon we could do P0.5 or even smaller pitch LED display.



Longer Lifespan

Thanks to the flip chip technology wireless packaging technology, the heat dissipation for the LED is better, thus the LED works more secure. With the unique feature of the COB LED (great reliability and high level surface protection) , the LED display ensures the perfect performance for more than 8 years.





Great Cabinet Design and 90° Angle

We adopted the precise die-casting aluminum design, so it is very light weight, which would bring great convenience when we do the installation or transportation. Meanwhile, all components including LED module, power box, receiving card and other accessories can be removed in the front, so it is fully front service design.

COB LED display cabinets can be assembled at seamless 90° angles, so in addition to passive visualizations, the screen also can be used for 3D visual effect or a rectangle wall. With friendly design of the shell structure, it brings a strong three-dimensional visual impact.



Application Fields

- Meeting Room
- TV Studio
- Exhibition Center
- Shopping Mall
- Airport
- Cinema



COB Parameters

Item	P0.7	P0.9	P1.2	P1.5	P1.9
Pixel Pitch	0.79mm	0.93mm	1.26mm	1.58mm	1.9mm
LED Type	COB	COB	COB	COB	COB
Module Resolution	384dots x 432dots	320dots x 360dots	240dots x 270dots	192dots x 216dots	160dots x 180dots
Driving Mode	/	/	1/45scan	1/54scan	1/45scan
Module Pixels	150,336dots	115,200dots	165,888dots	41,472dots	28,800dots
Module Size	304mm × 342mm	300mm × 337.5mm	304mm × 342mm	304mm × 342mm	304mm × 342mm
Cabinet Size	608mm × 342mm × 71mm	600mm × 337.5mm × 59.5mm	608mm × 342mm × 71mm	608mm × 342mm × 71mm	608mm × 342mm × 71mm
Cabinet Resolution	768dots x 432dots	640dots x 360dots	480dots x 270dots	384dots x 216dots	320dots x 180dots
Pixel Density	1,602,307dots/㎡	1,156,203dots/㎡	629,882dots/㎡	400,577dots/㎡	277,008dots/㎡
Minimum Viewing Distance	≥0.79m	≥0.93m	≥1.26m	≥1.58m	≥1.9m
Brightness	600nits	450nits	600nits	600nits	600nits
IP Grade (Front/Rear)	IP43/IP30	IP30/IP30	IP30/IP30	IP30/IP30	IP30/IP30
Refresh Rate	3,000Hz	3,000Hz	3,000Hz	3,000Hz	3,840Hz
Gray Scale	13bits	13bits	13bits	13bits	14bits
Viewing Angle	H:170° / V:160°	H:170° / V:160°	H:170° / V:160°	H:170° / V:160°	H:170° / V:160°
Maximum Power Consumption	480W/㎡	450W/㎡	450W/㎡	450W/㎡	450W/㎡
Average Power Consumption	160W/㎡	150W/㎡	150W/㎡	150W/㎡	150W/㎡
Input Voltage	AC240V~AC100V @ 50Hz / 60Hz	AC240V~AC100V @ 50Hz / 60Hz	AC240V~AC100V @ 50Hz / 60Hz	AC240V~AC100V @ 50Hz / 60Hz	AC240V~AC100V @ 50Hz / 60Hz
Operating Temperature	-20℃~60℃	-40℃~60℃	-40℃~60℃	-40℃~60℃	-40℃~60℃
Operating Humidity	10%~90%	10%~90%	10%~90%	10%~90%	10%~90%
Cabinet Material	Die-casting Aluminum	Die-casting Aluminum	Die-casting Aluminum	Die-casting Aluminum	Die-casting Aluminum
Cabinet Weight	7.2kg	6.5kg	7.2kg	7.2kg	7.2kg
Operating System	Windows (Win7, Win8, etc.)	Windows (Win7, Win8, etc.)	Windows (Win7, Win8, etc.)	Windows (Win7, Win8, etc.)	Windows (Win7, Win8, etc.)
Signal Source Compatibility	DVI, HDMI1.3, DP1.2, SDI, HDMI2.0, etc.	DVI, HDMI1.3, DP1.2, SDI, HDMI2.0, etc.	DVI, HDMI1.3, DP1.2, SDI, HDMI2.0, etc.	DVI, HDMI1.3, DP1.2, SDI, HDMI2.0, etc.	DVI, HDMI1.3, DP1.2, SDI, HDMI2.0, etc.