


# COB-4K Series


Innovative 4K COB LED Display




 High Resolution

 16:9 Aspect Ratio


 Seamless Connection

 3840Hz

 Large Viewing Angle

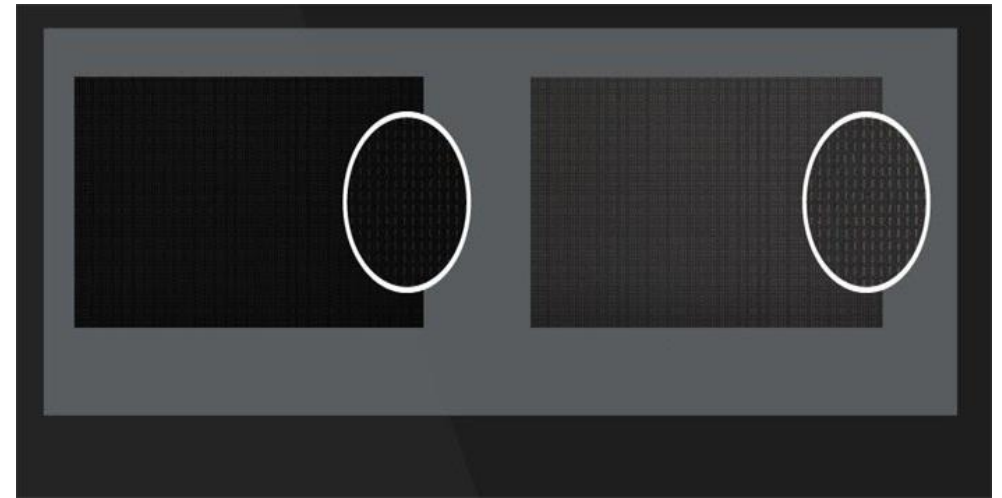
 Strong Module

 Front Access

 Easy Maintenance

## Excellent Color Contrast 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

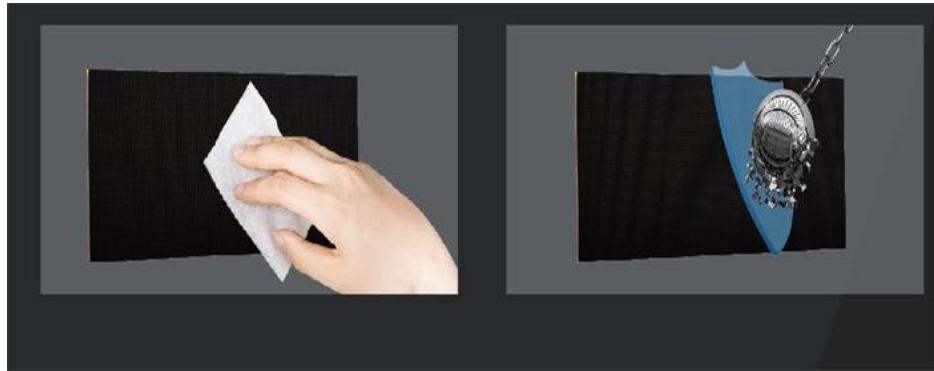
The screen is gapless. Meanwhile, when we build a LED screen with 2K, 4K, 8K, or some other resolutions, we can still have a 16:9 screen aspect ratio.

## 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 24bits) , 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

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.

## Application Fields

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



# Parameters

## COB Parameters

Item	P0.5	P0.6	P0.7
Pixel Pitch	0.59	0.63	0.78
LED Type	COB	COB	COB
Module Resolution	254dots x 95dots	238dots x 89dots	192dots x 72dots
Module Pixels	24,130dots	21,182dots	13,824dots
Module Size	150mm × 56.25mm	150mm × 56.25mm	150mm × 56.25mm
Cabinet Size	600mm × 337.5mm × 60mm	600mm × 337.5mm × 60mm	600mm × 337.5mm × 60mm
Cabinet Resolution	1,016dots x 570dots	952dots x 534dots	768dots x 432dots
Pixel Density	2,872,737dots/㎡	2,519,526dots/㎡	1,634,655dots/㎡
Minimum Viewing Distance	≥0.5m	≥0.6m	≥0.7m
Brightness	800-1000nits	800-1000nits	800-1000nits
IP Grade	IP43	IP43	IP43
Refresh Rate	3,840Hz	3,840Hz	3,840Hz
Gray Scale	14bits-16bits	14bits-16bits	14bits-16bits
Viewing Angle	H:170° / V:170°	H:170° / V:170°	H:170° / V:170°
Maximum Power Consumption	210W/㎡	210W/㎡	210W/㎡
Average Power Consumption	60W/㎡	60W/㎡	60W/㎡
Input Voltage	AC220V~AC110V @ 50Hz / 60Hz	AC220V~AC110V @ 50Hz / 60Hz	AC220V~AC110V @ 50Hz / 60Hz
Operating Temperature	-20℃~65℃	-20℃~65℃	-20℃~65℃
Operating Humidity	10%~90%	10%~90%	10%~90%
Cabinet Material	Die-casting Aluminum	Die-casting Aluminum	Die-casting Aluminum
Cabinet Weight	7.8kg/㎡	7.8kg/㎡	7.8kg/㎡
Operating System	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.



# Parameters

## COB Parameters

Item	P0.8	P0.9	P1.2	P1.5
Pixel Pitch	0.83mm	0.9375mm	1.25mm	1.5625mm
LED Type	COB	COB	COB	COB
Module Resolution	180dots x 67dots	160dots x 60dots	120dots x 45dots	96dots x 36dots
Module Pixels	12,060dots	9,600dots	5,400dots	3,456dots
Module Size	150mm x 56.25mm	150mm x 56.25mm	150mm x 56.25mm	150mm x 56.25mm
Cabinet Size	600mm x 337.5mm x 60mm	600mm x 337.5mm x 60mm	600mm x 337.5mm x 60mm	600mm x 337.5mm x 60mm
Cabinet Resolution	720dots x 402dots	640dots x 360dots	480dots x 270dots	384dots x 216dots
Pixel Density	1,451,89dots/m <sup>2</sup>	1,137,777,779dots/m <sup>2</sup>	640,000dots/m <sup>2</sup>	409,600dots/m <sup>2</sup>
Minimum Viewing Distance	≥0.8m	≥0.9m	≥1.2m	≥1.5m
Brightness	800-1000nits	800-1000nits	800-1000nits	800-1000nits
IP Grade	IP43	IP43	IP43	IP43
Refresh Rate	3,840Hz	3,840Hz	3,840Hz	3,840Hz
Gray Scale	14bits-16bits	14bits-16bits	14bits-16bits	14bits-16bits
Viewing Angle	H:170° / V:170°	H:170° / V:170°	H:170° / V:170°	H:170° / V:170°
Maximum Power Consumption	210W/m <sup>2</sup>	210W/m <sup>2</sup>	210W/m <sup>2</sup>	210W/m <sup>2</sup>
Average Power Consumption	60W/m <sup>2</sup>	60W/m <sup>2</sup>	60W/m <sup>2</sup>	60W/m <sup>2</sup>
Input Voltage	AC220V~AC110V @ 50Hz / 60Hz	AC220V~AC110V @ 50Hz / 60Hz	AC220V~AC110V @ 50Hz / 60Hz	AC220V~AC110V @ 50Hz / 60Hz
Operating Temperature	-20℃~65℃	-20℃~65℃	-20℃~65℃	-20℃~65℃
Operating Humidity	10%~90%	10%~90%	10%~90%	10%~90%
Cabinet Material	Die-casting Aluminum	Die-casting Aluminum	Die-casting Aluminum	Die-casting Aluminum
Cabinet Weight	7.8kg/m <sup>2</sup>	7.8kg/m <sup>2</sup>	7.8kg/m <sup>2</sup>	7.8kg/m <sup>2</sup>
Operating System	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.