



Micro-LED · Flip-Chip · COB Gen.
Natural Color · Immersive Experience · Super Stability

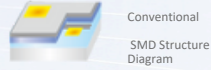
Pixel Pitch: .93mm 1.25mm 1.56mm 1.87mm



COB is Chip On Board, which directly mounts the light-emitting chip on the PCB board, which solves all the out-of-pixel failure problems caused by the rack pins. There is no restriction on the size of the packaged device, and a smaller pitch arrangement can be achieved.



Compared with the conventional SMD package, the two major processes of LED chip fabrication and reflow soldering are omitted, which greatly improves the stability of the lamp beads and provides better protection.



Dust-proof



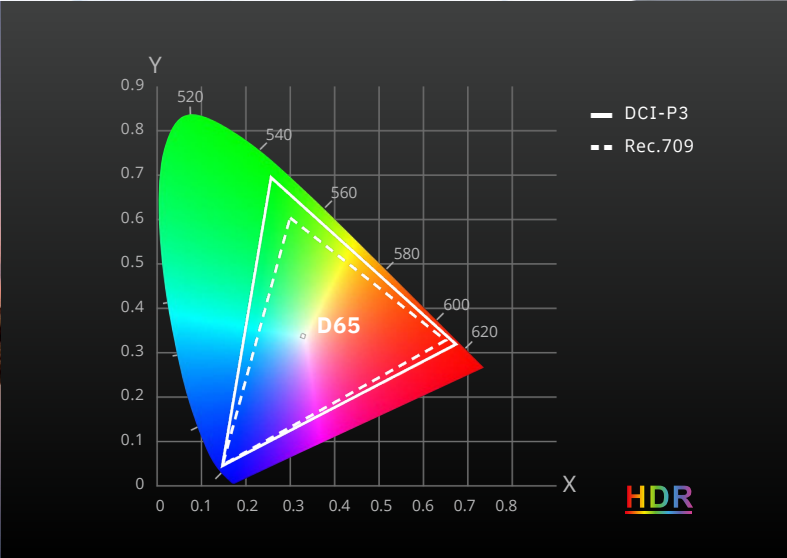
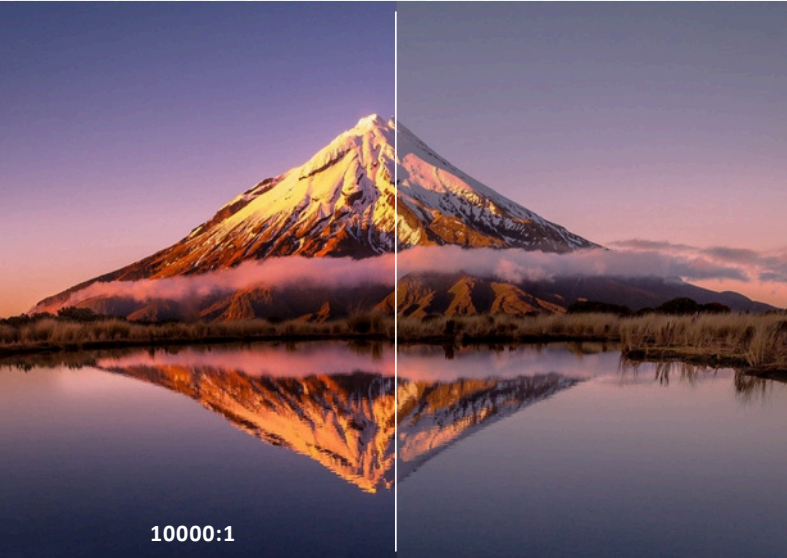
Mildew-proof



Moisture-proof



Electrostatic prevention



Ultra-high contrast, Immersive visual experience

Improve the contrast of light and shade, enhance the picture details, no-glare and low reflection - to ensure an excellent image quality

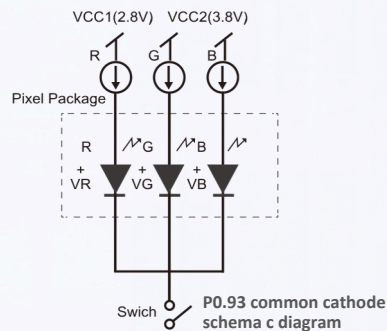
Restore the natural color

More than 28 trillion colors are displayed, the color gamut of 120% fully meets the DCI-P3 standard - to feel the true-to-life world



Sapphire
Substrate

Flip-chip



Integrated Design

The product features a built-in all-in-one integrated PCB, combining the power supply, receiving card, and hub board in a highly integrated design. This reduces internal wiring complexity within the cabinet and enhances EMC protection.

Energy-saving management

Under the same brightness conditions as conventional SMD, the energy consumption can be reduced by more than 40%

Almost no dead pixel

No wire connection required, avoiding pixel failure caused by connector falling off and poor soldering

Long life time Operation

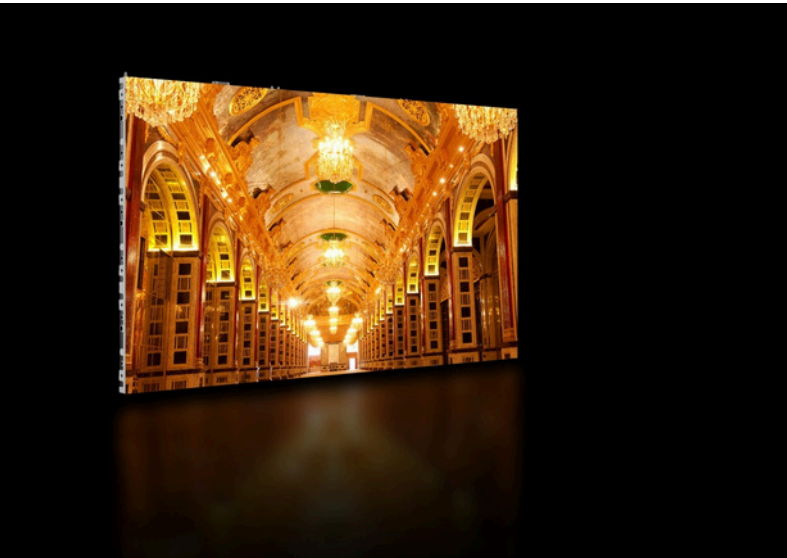
Low thermal resistance, the heat dissipation efficiency is dozens of times higher than conventional SMD, the stable operation is more guaranteed



Surface light source packaging technology,
no graininess Low light decay, no color
speckle-to viewing comfortable

High light efficiency, the brightness can easily reach more than 600nits

The LED chip is directly on the board, with strong thermal conductivity, can bear a large current,
and the brightness is 2 times higher than a conventional SMD screen



160° Ultra-wide viewing angle

No color shift , delicate texture to
pleasing eyes



3840 Hz Ultra-high refresh rate

No distortion, no shake, no tail - to ensure a smooth watching
experience



Front Maintenance

Power supplies and internal cables can be quickly replaced from the
front side



Water-resistant

The front of the screen can be wiped with
a wet cloth

Collision-proof

The front side can support a 10kg
impact force

Specification

| MODEL | Micro .9 | Micro 1.25 | Micro 1.56 | Micro 1.87 |
|---|------------------------|-------------------|-------------------|-------------------|
| Pixel Pitch (mm) | 0.93 | 1.25 | 1.56 | 1.87 |
| LED Type | COB | COB | COB | COB |
| Pixel Composition | 1R1G1B | 1R1G1B | 1R1G1B | 1R1G1B |
| Module Resolution(WxH) | 160x180 | 120x135 | 96x108 | 80x90 |
| Module Size (mm) | 150x168.75 | 150x168.75 | 150x168.75 | 150x168.75 |
| Module Layout (W x H) | 4 x 2 | 4 x 2 | 4 x 2 | 4 x 4 |
| Cabinet Resolution(WxH) | 640x360 | 480x270 | 384x216 | 320x360 |
| Cabinet Size (mm) | 600x337.5x39.75 | 600x337.5x39.75 | 600x337.5x39.75 | 600x675x39.75 |
| Net.weight/cabinet (kg) | 4 | 4 | 4 | 7.9 |
| Serviceability | Front Maintenance | Front Maintenance | Front Maintenance | Front Maintenance |
| Brightness (cd/sqm) | 600 | 600 | 600 | 550 |
| Drive Circuit Type | Common cathode | Common anode | Common anode | Common anode |
| Refresh Rate(Hz) | 1920~3840 | | | |
| Contrast Ratio | 10000:1 | | | |
| Greyscale(bit) | 14 | | | |
| AC Working Voltage (V) | 100-240 | | | |
| Max./Avg. Power Consumption (W/sqm) 5Pnales makes sqm | 375/113 | 350/105 | 350/105 | 325/98 |
| Viewing Angle(H/V) | 160/160 | | | |
| Ingress Protection | IP40/IP21 | | | |
| Temperature/humidity | -10 °C~+40°C /10~90%RH | | | |
| Certificate | CCC/EMC/RoHs | | | |



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