



# U Series COB LED

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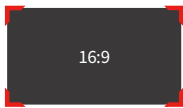
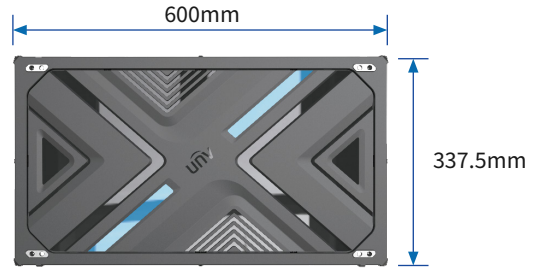
Revolution of Visual Experience

# INTRODUCTION



## Product Features

- Available Pixel Pitch 0.9|1.2|1.5mm
- Brightness 600nits
- Panel Dimensions 600mm\*337.5mm
- Flip-chip COB Technology
- Common Cathode Power Supply



FHD|4K|8K Spliced



Wide Color Space



Ultimate Visual



Energy Saving



Full Protection



Flip-chip Technology



One-man Installation



Space Saving



Convenient Service

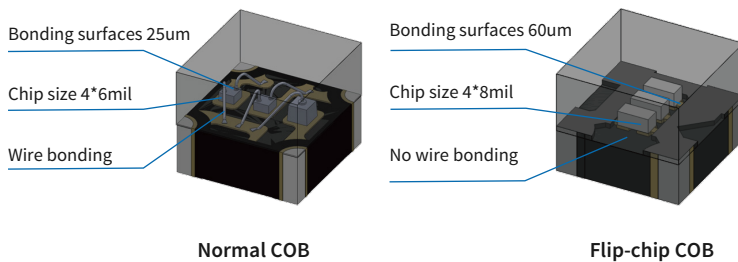


CE | FCC | RoHS



## Flip-chip Technology

The Flip-chip does not require wire bonding, which breaks the pixel pitch limit of the formal chip and solves the problem of metal migration in the formal LED.



Normal COB

Flip-chip COB

The area of the Flip-Chip is smaller on the PCB board, with a larger light-emitting area.

- Darker black field, Higher brightness, Higher contrast
- Larger bonding surfaces, Higher reliability
- Less bonding joints, Lower failure rate
- No wire bonding, More uniform light

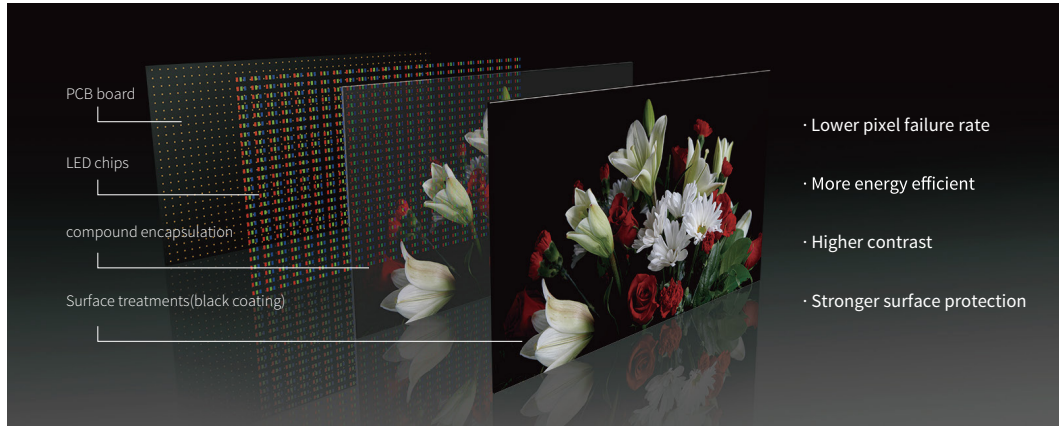
### Smaller Pixel Pitch Allowed

Smaller Pixel Pitch: the pitch of SMD is larger than P1.2, while COB can be as small as P0.4. The COB technology is not limited by the physical size, bracket, and lead of the SMD LED package, and can break through the SMD pitch limit, achieve higher pixel density, and have a more flexible dot pitch design.



## Superior Black Consistency

Full black coating technology brings excellent native black uniformity, improving visual performance. Super pure black, better flatness, non-glare and non-reflective screen presents the ultimate black image.



## More Colors, Better Life

Ultra wide color space,  $\geq 125\%$ NTSC, reproduces real images with richer colors and delivers exceptionally detailed and realistic visuals.



Normal Color Gamut

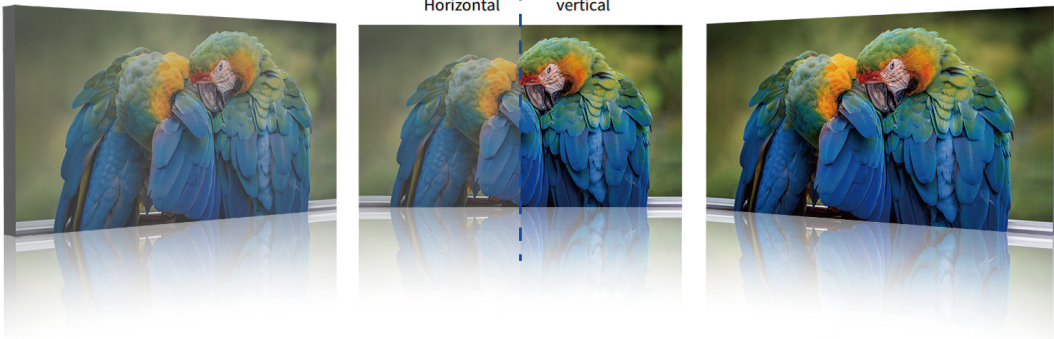


Ultra Wide Color Gamut



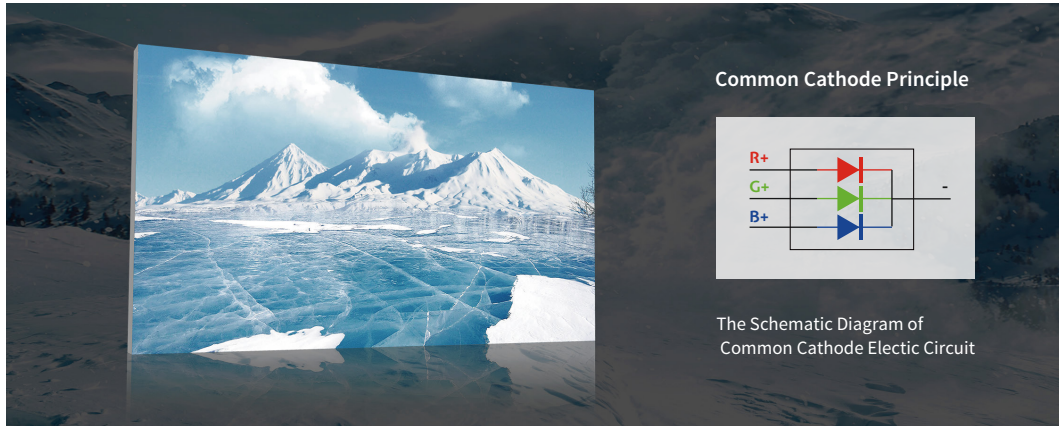
## Brilliant Content from Any Angle

Wide viewing angles mean content is easily visible even if viewers aren't standing directly in front of the display. Audiences can get clear details and vivid colors regardless of where the screen is located.



## Stay Cool & Energy Saving

Due to the integration of full flip-chip COB technology and common cathode technology, U-series COB can always stay cool, the operating temperature is 10~15 °C lower than normal LED and can save up to more than 43% energy.



## Multiple Protective Designs

The design of a series of protective structures can resist the impact of the external environment, ensuring the stable operation and reliable performance



Moisture-proof



Dust-proof



Anti-collision



Anti-oxidation



Anti-static



Anti-reflection

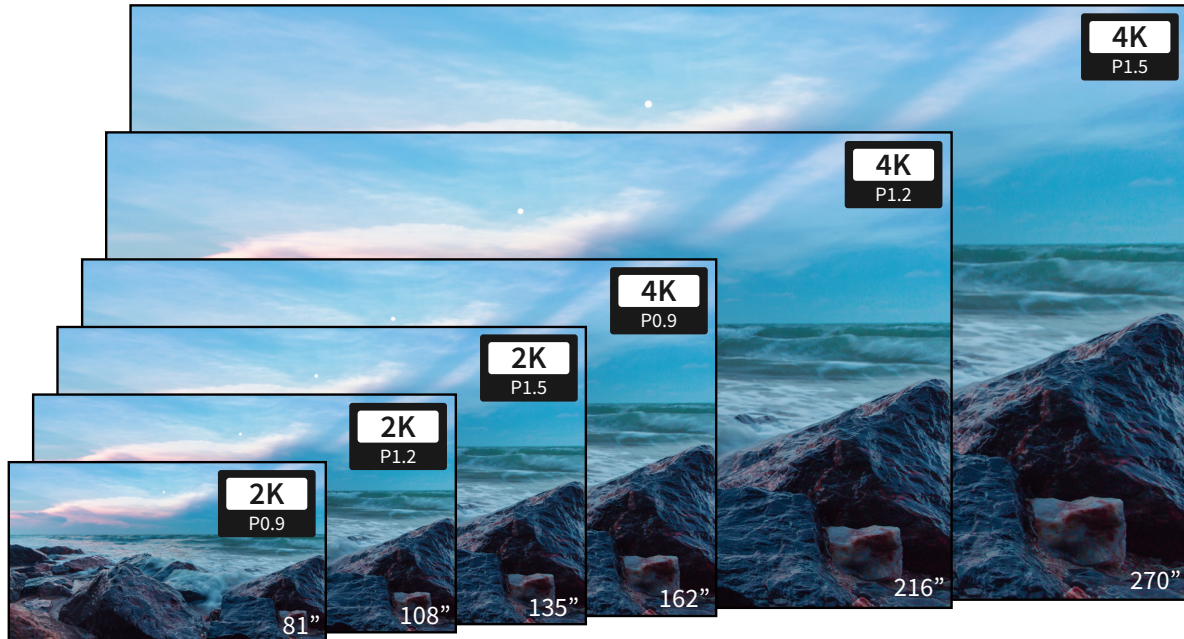
## Free to Relax Eyes

The non-glare surface light source provides a comfortable and healthy viewing experience, allowing you to watch the screen for a long time without fatigue.



## Typical Solutions for 2K & 4K Display

The panel adopts a 16:9 display ratio, which can be expanded infinitely, and can be easily spliced into 2k, 4k or 8k screens, bringing you unique and professional solutions.



## SPECIFICATIONS

| Model              | MW7809-FI-CF                | MW7812-FI-CF                | MW7815-FI-CF                |
|--------------------|-----------------------------|-----------------------------|-----------------------------|
| Pixel Pitch        | 0.9mm                       | 1.2mm                       | 1.5mm                       |
| Module Size(mm)    | 150*168.75                  | 150*168.75                  | 150*168.75                  |
| Module Resolution  | 160*180                     | 120*135                     | 96*108                      |
| Cabinet Size(mm)   | 600*337.5*39.5              | 600*337.5*39.5              | 600*337.5*39.5              |
| Cabinet Resolution | 640*360                     | 480*270                     | 384*216                     |
| Brightness(nits)   | 600                         | 600                         | 600                         |
| Cabinet Material   | Die-cast aluminum + Plastic | Die-cast aluminum + Plastic | Die-cast aluminum + Plastic |
| Contrast           | 20000:1                     | 20000:1                     | 20000:1                     |
| Refresh Rate       | 3840Hz                      | 3840Hz                      | 3840Hz                      |
| LED Type           | Flip-chip COB               | Flip-chip COB               | Flip-chip COB               |
| Viewing Angle      | 170°/160°                   | 170°/160°                   | 170°/160°                   |
| Ingress Protection | IP65(Front)                 | IP65(Front)                 | IP65(Front)                 |



# APPLICATION SCENARIOS



Reception



Museum



Studio



Conference Room



Exhibition



Control Room



[www.unvdisplay.com](http://www.unvdisplay.com)

**Sales:** [overseasbusiness@uniview.com](mailto:overseasbusiness@uniview.com)

**Technical Support:** [globalsupport@uniview.com](mailto:globalsupport@uniview.com)

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