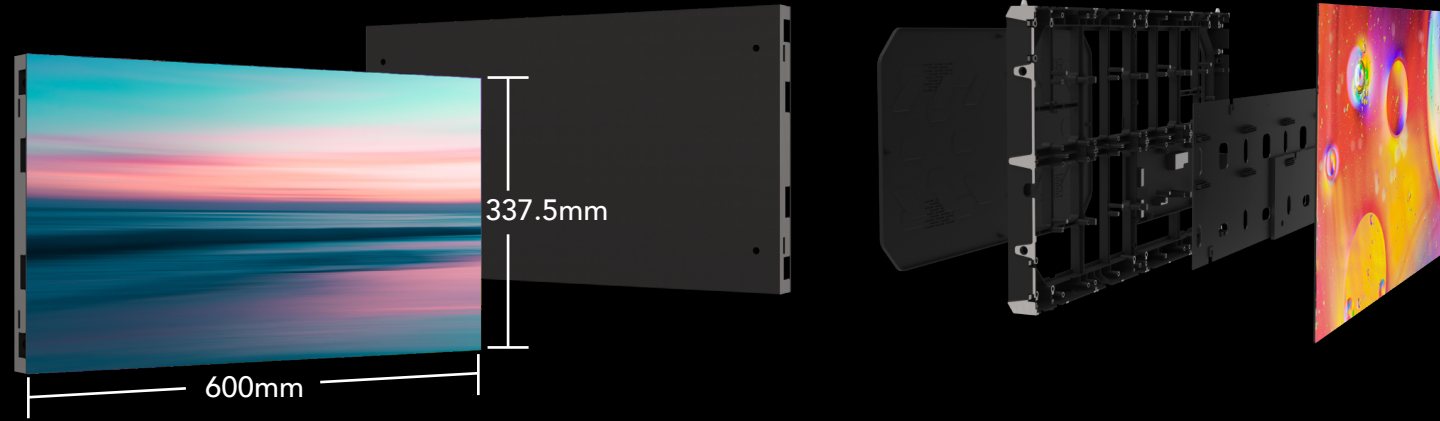


# CLEARLED : SKYPANEL HQ SERIES



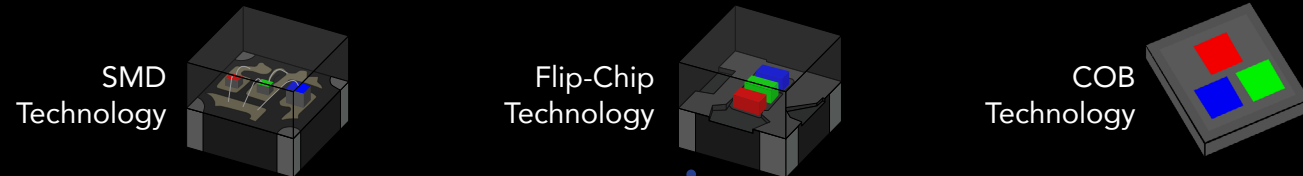
## INTRODUCTION

- Available pixel pitch 0.78 | 0.935 | 1.17 | 1.25 | 1.5 | 1.875 | 2.5mm
- Brightness up to 4,000nits
- Available technologies: SMD, SMD GOB, Flip-chip SMD, Flip-chip COB
- Common cathode power supply



## AVAILABLE TECHNOLOGY

Our SkyPanel series offers various LED types: **SMD, Flip-chip SMD, and Flip-chip COB**. Each technology presents unique advantages tailored to diverse display needs, providing our clients with customizable project solutions.



- FHD|4K|8K Spliced
- Wide Color Space
- Ultimate Visual
- Energy Saving
- Full Protection
- Flip-chip Technology
- One-man Installation
- Space Saving



Conventional MicroLED



Skypanel Flip-Chip COB

## SUPERIOR BLACK CONSISTENCY

Full black coating technology brings excellent native uniformity, improving visual performance. The Skypanel HQ series provides a flat, non-glare and non-reflective screen to project images with exceptional quality.

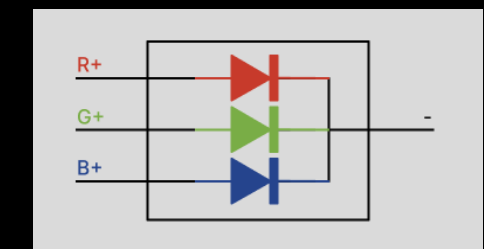


## MULTIPLE PROTECTIVE DESIGNS

Designed with a series of protective structures, the Skypanel HQ series can resist the impact of the external environment, ensuring stable, reliable operation, and excellent performance.



Common Cathode Principel



The Schematic Diagram of Common Cathode Electric Circuit

## STAY COOL & ENERGY SAVING

Due to the common cathode technology, SkyPanel HQ series can always stay cool. The operating temperature is 10~15°C lower than normal LED and can save up to 17% more energy than typical SMD.

# SKYPANEL HQ SERIES | TECH SPECS

MODULE	UNITS	HQ0.7	HQ0.9	HQ1.17	HQ1.25	HQ1.5	HQ1.875	HQ2.5	HQ3.7
Pixel Pitch	mm	0.78	0.935	1.17	1.25	1.5	1.875	2.5	3.75
LED Type	/	Flip-chip COB	4-in-1 SMD, Flip-chip COB, Flip-chip SMD	SMD0808, Flip-chip COB, Flip-chip SMD	SMD1010, Flip-chip COB, Flip-chip SMD	SMD1010, Flip-chip COB, Flip-chip SMD	SMD1010, Flip-chip COB, Flip-chip SMD	SMD2121, Flip-chip SMD	SMD2121, Flip-chip SMD
Resolution	pixel	768 x 432	638 x 360	512 x 288	480 x 270	384 x 216	320 x 180	240 x 135	160x90
Panel Size (W x H)	mm	600 x 337.5							
Weight	kg/m <sup>2</sup>	25.68							
Cabinet Ratio	/	16:9							
Brightness	nits	≤600	600 ~ 800	SMD/COB: 800-1,000 / Flip-chip SMD: 1,200 / 3,000 / 4,000					
Contrast Ratio	/	COB: ≥1,000,000:1 / Others: 10,000:1							
Viewing Angle (H/V)	°	165/165	170/170						
Color Capacity	/	≤16,384	≤65,536						
Gray Scale	bits	14 ~ 16							
Dimming Capability	/	0 ~ 100%							
Color Temperature-Default	k	9,000							
Color Temperature-Adjustable	k	3,500 ~ 12,000	2,500 ~ 10,000						
Video-Animation Rate	Hz	0~120Hz Determined by the controller							
Input Power Range	V	100 ~ 240							
Power Consumption Max	W/m <sup>2</sup>	≤420	≤540						
Power Consumption Average	W/m <sup>2</sup>	≤140	≤180						
Refresh Rate	Hz	≤3,840	3,840~ 7,680						
Power Redundancy	/	Optional							
Working Temperature	°C	-10 ~ +50							
Cooling	/	Air cooling							
IP Rating	/	IP43							
LED Lifetime	hours	100,000							
Monitoring Function	/	No							
Service	/	Front							