

COB Aries Series

Optimized LED for Professional Purpose

Extra
Brightness

Deep Black

Low Heat

Durable

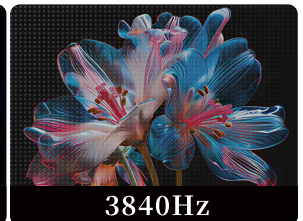
Camera
Ready

☰ Seamless Visual, Camera-Ready

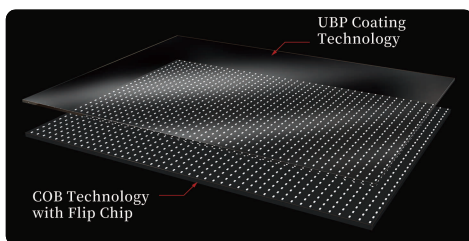
7680Hz refresh rate, minimize visual flicker and enhance visual experience, synchronize better with a wider range of camera shutter speeds, reducing the likelihood of capturing flicker or banding on cameras.



7680Hz



3840Hz



☰ Visual Excellence

Premium flip-chip COB enables up to 1,000 nits of brightness for crisp, vivid visual even in strong ambient light.

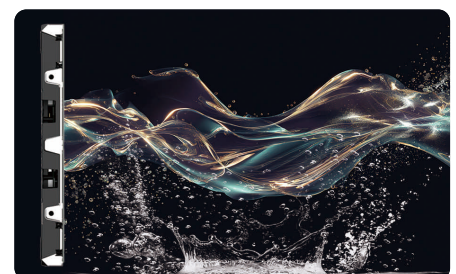
Ultra Black Processing (UBP) coating technology delivers incredibly deep black, excellent uniformity, superior reflection control across the LED display.

☰ Efficiency Meets Comfort

An optimized system design delivers significant energy savings even at high brightness levels while enhancing visual comfort for close-up viewing.

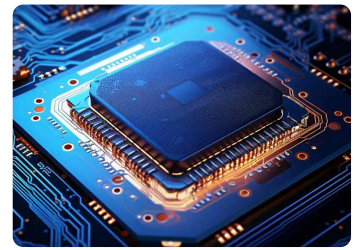
☰ Built for Reliability

Flip-Chip COB technology sets new standard in durability, offering strong resistance to impact, water, dust and ESD, reducing maintenance need while ensuring long-lasting reliable performance.



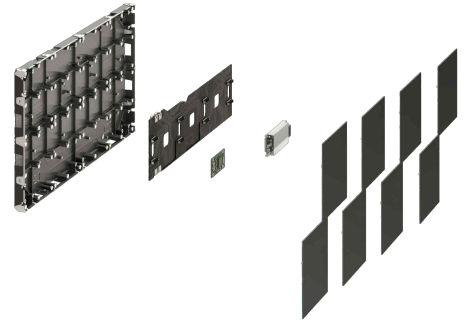
≡ Effortless Maintenance

The LED calibrated by each module, modules can be installed or swapped in any order, no color-matching worries. With Memory on Module (MOM) integrated, each LED module carries its own calibration data, enabling quick swaps, reducing downtime, making maintenance effortless.



≡ User Friendly

Ultra-light, ultra-thin die-cast aluminum cabinet, high precision engineered. Efficient, user friendly installation reduces time consuming, speeds project delivery, lowers construction cost.



≡ Product specification

Specifications

Specifications					
Physical Parameter	LED Type	Flip-Chip COB			
	Pixel Pitch (mm)	0.93	1.25	1.56	1.87
	Resolution Per Panel (W × H)	640 × 360	480 × 270	384 × 216	320 × 180
	Panel Dimensions (W × H × D) (mm)	600 × 337.5 × 33			
	Panel Weight	3.8 Kg			
	Panel Material	Diecast Aluminum			
	Module Dimensions (W × H)	150 × 168.75			
	Coating	Matte / High Contrast			
Optoelectronic Parameter	Brightness (nit)	600 / 1,000			
	Refresh Rate	7,680 Hz			
	Bit Depth	14 -15			
	Frame Rate	50 / 60 Hz			
	Contrast Ratio	10,000 : 1 / 20,000 : 1			
	Color Temperature	6,500 K			
	Viewing Angle (H,V)	160° / 160°			
	Driving Type	PWM			
	Driver IC	ICND 3069			
	AC Operating Voltage	AC 100-240 V (50/60Hz)			
	Max. Power Consumption	≤350W/sqm			
	Heat Generated (Max/Avg) (W/m ²)	1,194 BTU/h·m ²			
	IP Rating (Front/Rear)	54 / 35			
	Module Maintenance	Front			
	PSU, Receiver card, Hub board Maintenance	Front			
	Processor	Novastar or Colorlight			