



COB Orion Series

Designed for Unparalleled Performance

Extra
Brightness

Deep Black

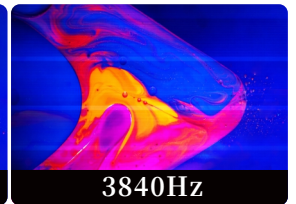
Cold LED

Unparalleled
Performance

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.



☰ Unparalleled Performance

Crafted with unparalleled performance for premium professional use, compatible with Brompton controller, 100% DCI-P3 available, support up to 120Hz frame rate, seamless adaptability across diverse applications.



☰ Visual Excellence

Premium flip-chip COB enables over 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 and barely perceptible heat even at high brightness levels while enhancing visual comfort for close-up viewing.



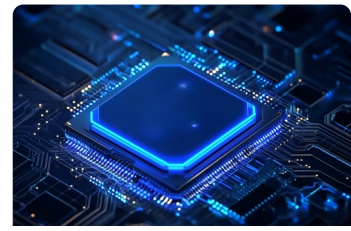
☰ Built for Reliability

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.

☰ True Color Precision & Effortless Maintenance

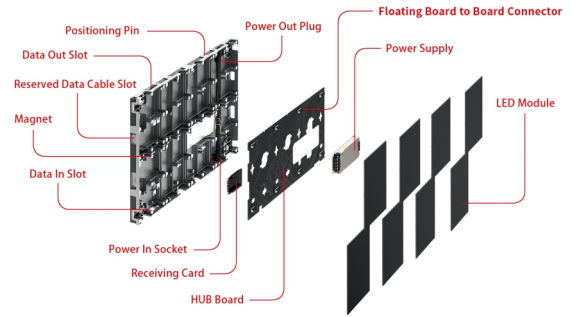
Featuring high-precision multi-layer LED calibration, ensuring optimal uniformity, accurate color reproduction and outstanding image quality across all brightness and grayscale levels.

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

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Physical Parameter	LED Type	Flip-Chip COB			
	Pixel Pitch (mm)	0.79	0.95	1.27	1.58
	Resolution Per Panel (W × H)	768 × 432	640 × 360	480 × 270	384 × 216
	Panel Dimensions (W × H × D) (mm)	609.6 × 342.9 × 40.5			
	Panel Weight (Kg)	5			
	Panel Material	Diecast Aluminum			
	Module Dimensions (W × H)	152.4 × 171.45			
	Coating	Matte / High Contrast			
Optoelectronic Parameter	Brightness (nit)	600 / 1,000			
	Refresh Rate	7,680 Hz			
	Bit Depth	True 16bit			
	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	XM Plus XM11206 G			
	AC Operating Voltage	AC 100-240 V (50/60Hz)			
	Max. Power Consumption	≤350W/sqm			
	Heat Generated	1,194 BTU/h·m ²			
	IP Rating (Front/Rear)	54 / 35			
	Module Maintenance	Front			
	PSU, Receiver card, Hub board Maintenance	Front			
	Processor	Brompton / Novastar / Colorlight			