

SA-HLCOB SERIES

COB LED



DESCRIPTION

SA-HLCOB Series is Starview's high-brightness LED range built on flip-chip Chip-on-Board (COB) technology. A common-cathode COB structure seals the LED chips into a single resin surface, delivering higher contrast, wider viewing angles and greater durability than conventional SMD displays. The series is engineered for high-ambient environments where clarity must hold up under bright light: standard models reach 1,000-1,200 nits, while the high-brightness Highlight configuration delivers up to 3,500 nits. With a DCI-P3 wide colour gamut, contrast of $\geq 30,000:1$ and up to 30% lower power consumption, it offers pixel pitches from 0.625 mm to 1.875 mm on a shared 600 × 337.5 mm die-cast cabinet. Full front installation and maintenance make it ideal for control rooms, broadcast studios, meeting centres, retail and premium home-cinema spaces.

FEATURES

High-Brightness Flip-Chip COB Technology

- Indoor 0.625, 0.78, 0.94, 1.25, 1.56, 1.88 mm Pixel Pitch
- Flip-Chip Common-Cathode COB Technology
- Cabinet: 600 mm (W) x 337.5 mm (H)
- Die-Casting Aluminium



Technical specifications		SA-HLCOB Series				
Model	SA-HLCOB P0.6	SA-HLCOB P0.7	SA-HLCOB P0.9	SA-HLCOB P1.2	SA-HLCOB P1.5	SA-HLCOB P1.8
Pixel Pitch (mm)	0.625	0.781	0.938	1.25	1.563	1.875
Pixel Density (px/m ²)	2,560,000	1,638,400	1,137,778	640,000	409,600	284,000
LED Chip	Flip-Chip Common-Cathode COB					
LED Configuration	1R1G1B					
LED Type	Mini Chip LED (4 x 7 mil)					
Number of Scans	60S	54S	45S	45S	54S	45S
Module Size (W x H) mm	112.5 x 150	150 x 168.75	150 x 168.75	150 x 168.75	150 x 168.75	150 x 337.5
Cabinet Resolution (px)	960 x 540	768 x 432	640 x 360	480 x 270	384 x 216	320 x 180
Modules per Cabinet	12	8	8	8	8	8
Cabinet Size (W x H)	600 mm x 337.5 mm (Customize)					
Cabinet Material	Die-casting Aluminium					
Brightness (nits)	1,000	1,000	1,200	1,200 (Can be upgraded to 2,000 nits)	1,200 (Can be upgraded to 1,500 nits)	1,200
Contrast Ratio	20,000:1	25,000:1	30,000:1	30,000:1	30,000:1	30,000:1
Grayscale / Processing	14 bit					
Colour Gamut	DCI-P3					
Viewing Angle (H / V)	160° / 140°					
Refresh Rate	3840 Hz (up to 7680 Hz)					
Avg. Power Consumption (W/m ²)	220	210	150	220	200	150
Max. Power Consumption (W/m ²)	450	420	320	480	410	310
Control System	Synchronous; compatible with mainstream sending / receiving cards					
Environment	Indoor					
Maintenance	Front Service					
LED Lifespan (50% brightness)	100,000 hours					
Operating Temperature	-10°C ~ +45°C					
Operating Humidity	10% ~ 90%					
Certification*	CE, RoHS					

*The listed certifications are issued for markets in different regions. For the current status of the listed certifications in your region, please contact an authorized Starview representative.

For technical or sales support, please visit:

www.starviewint.asia

Performance specifications are typical. Due to constant research, specifications are subject to change without notice. For the most up-to-date specifications, please contact an authorized Starview representative.

For assistance with confirming the Jurisdiction & Classification of Starview Asia products, please contact info@starviewint.asia

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