



# SA-HSP COB SERIES

MICRO LED

## DESCRIPTION

SA-HSP COB Series is Starview's latest LED technology using MicroLED Chip-on-Board (COB) technology. COB LED technology is becoming increasingly popular and Starview has developed the SA-HSP COB Series to provide a state-of-the-art visualization solution. Using this technology allows the display to achieve extremely large viewing angles and high contrast ratios. All this while maintaining a very high power efficiency ratio. In addition, it comes packed with the latest technology for easy installation and cabling.

The SA-HSP COB Series offers 0.7, 0.9, 1.2, 1.5, 1.8 pixel pitch models, all of which are fully installable and serviceable from the front. With a 27" 16:9 cabinet, the SA-HSP COB Series is perfect for Full HD, 4K and 8K setups. Combined with its protective layer, it is ideal for those public spaces such as airports, train stations, museums and lobbies

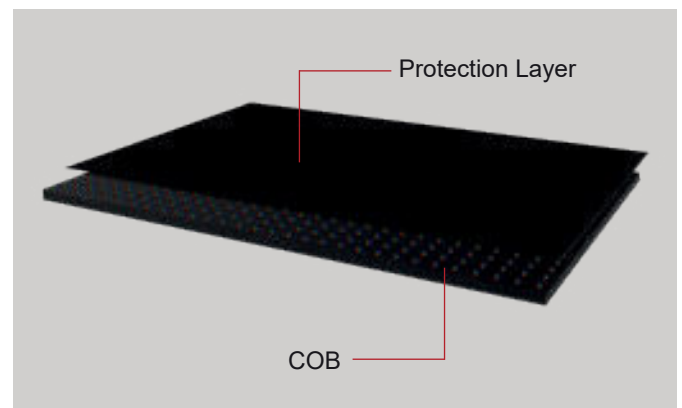


## FEATURES

### Latest MicroLED COB LED Technology

By using the latest COB flip-chip MicroLED technology, the SA-HSP COB Series from Starview offers a coated surface which, on the one hand, makes the image appear more homogeneous compared to traditional SMD LED displays and, on the other hand, automatically provides a protective surface against external influences.

- Indoor 0.7, 0.9, 1.2, 1.5, 1.8mm Pixel Pitch
- COB Technology
- Cabinet: 600mm(W) x 337.5mm(H)
- Die Casting Aluminum



**DESIGNED TO BE COMPATIBLE WITH CHRISTIE'S IMAGE CONTROL SYSTEM**

**Starview SA-HSP COB Series**

Supported control solution	Switchers and AV distribution	<ul style="list-style-type: none"> <li>• Terra Controller</li> <li>• Terra Receiver</li> <li>• Terra Transmitter</li> </ul>
	Video wall processors	<ul style="list-style-type: none"> <li>• Hedra Standard</li> <li>• Hedra Pro-KVM</li> <li>• Hedra Pro-Video</li> </ul>
	Image processors	<ul style="list-style-type: none"> <li>• Spyder-S-Series</li> <li>• Mastering Gateway</li> <li>• Spyder X80</li> </ul>

**Products “SA-HSP COB Series” manufactured by Starview, are paired with Christie Terra Switchers and AV distribution**

Solutions beyond matrix switching for AV-over-IP system architectures

Based on off-the-shelf 10G Ethernet components, the Terra solution allows for the design of simple, flexible and highly-scalable system architectures that deliver great performance and user experience at a drastically lower total cost of ownership.

- **Terra Transmitter** - Supply audiovisual sources and control signals with uncompressed, zero-frame latency, artifact-free content over 10G networks.
- **Terra Receiver** - Deliver audiovisual sources and control from an SDVoE system to displays and other devices. Benefit from full signal management including videowall magnification, KVM switching and extension, aspect ratio management, and Multiviewer for confidence monitoring.
- **Terra Controller** - The Christie Terra Controller gives you complete, secure operational control and management over Terra devices and SDVoE systems.



Christie Hedra

**Paired with Christie Hedra Video wall processors**

Whether it's mission-critical operations or monitoring sources for energy and utilities, your team needs to securely display, arrange, and operate multiple sources to make quick, informed decisions. And that's where the new Christie® video wall processors come in.

With Christie Hedra™, you get secure, real-time access to your data that you can control from virtually anywhere for seamless collaboration and sharing of critical information so you can make those decisions.

**Paired with Christie Spyder Image processors**

Deliver the highest quality content every time

No matter what your canvas is - a live event, sports venue, control room, or corporate space - Christie® image processors and compositors can deliver the highest quality content with the lowest latency.

Christie Spyder-S Series: A revolution in compositing and processing

The Spyder-S Series redefines everything you know about compositing and processing with a better solution for live events, sports venues, and broadcast. Featuring a modular, scalable technology that lets you scale your system by combining individual nodes for nearly limitless inputs, outputs, and megapixels with ultra-low latency. It's everything you need and nothing you don't.

Christie Spyder X80: Designed for demanding events

An undisputed leader in its class, Spyder X80 is a powerful multi-screen windowing processor that offers performance, control, and flexibility for the most demanding, spectacular experiences imaginable.

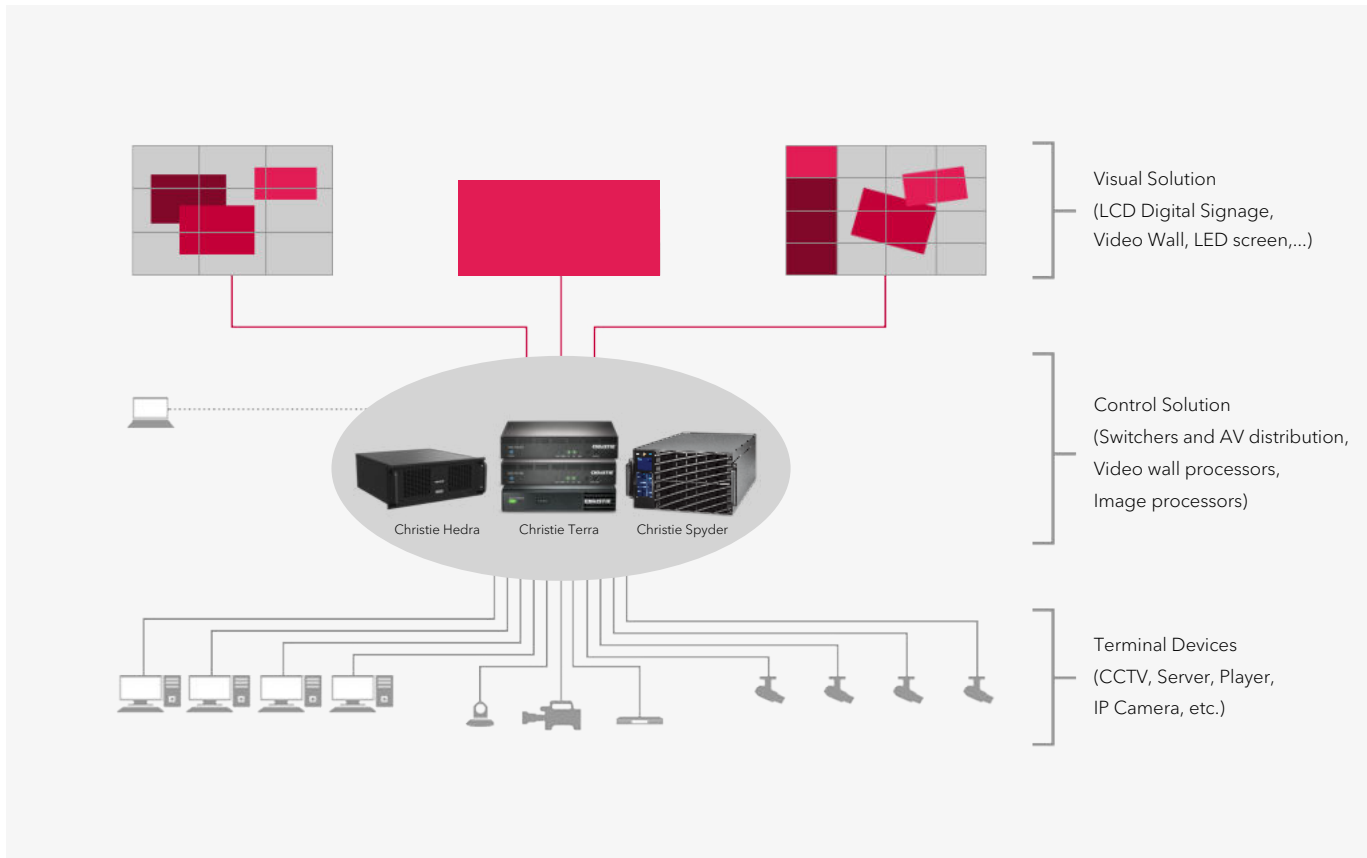


Christie Spyder

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## Technical specifications

## SA-HSP COB Series

Model	SA-HSP P0.7	SA-HSP P0.9	SA-HSP P1.2	SA-HSP P1.5	SA-HSP P1.8
Pixel Pitch (mm)	0.78	0.93	1.25	1.56	1.87
Pixel Density	1,638,400 px/m <sup>2</sup>	1,137,777 px/m <sup>2</sup>	640,000 px/m <sup>2</sup>	409,600 px/m <sup>2</sup>	284,444 px/m <sup>2</sup>
LED Chip	Flip Chip COB				
Module Size (W x H)	150 x 168.75 mm			300 x 168.75 mm	
Module Resolution (W x H)	192 x 216 pixels	160 x 180 pixels	240 x 135 pixels	192 x 108	160 x 90 pixels
Number of scans	1/54	1/54	1/120	1/108	1/90
Surface Treatment	Matt COB				
Surface Hardness	4H				
Cabinet Size (W x H x D)	600mm x 337.5mm x 35.5mm (Customize) Aspect ratio: 16:9				
Cabinet Weight	4kg				
Cabinet Resolution (pixels)	768 x 432	640 x 360	480 x 270	384 x 216	320 x 180
Material	Die-casting Aluminium				
Brightness	600 nits				
Display Color	14 bit				
Brightness uniformity (corrected)	≥99%				
Chromaticity uniformity (corrected)	± 0.001				
Refresh Rate	3840Hz				
Contrast Ratio	20,000:1 (Condition without lighting)				
Color Temperature	3,000K-15,000K				
Viewing Angle (H/V)	175°/175°				

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**Technical specifications (Cont.)**
**SA-HSP COB Series**

Model	SA-HSP P0.7	SA-HSP P0.9	SA-HSP P1.2	SA-HSP P1.5	SA-HSP P1.8
Input Voltage	AC 100~240V 50/60Hz				
Data Transfer Method	RJ45				
Max. Power Consumption (White Balance 600nits)	375W/m <sup>2</sup>		350W/m <sup>2</sup>		325W/m <sup>2</sup>
Average power consumption (White Balance 600nits)	110W/m <sup>2</sup>		100W/m <sup>2</sup>		90W/m <sup>2</sup>
Environment	Indoor only				
Maintenance	Front Service				
IP level	IP54				
LED lifespan	100,000 hours				
Operating Temperature / Humidity	-10°C~+60°C/10%RH~90%RH (non condensing)				
Storage Temperature / Humidity	-10°C~+60°C/10%RH~90%RH (non condensing)				
Runtime	24/7				
Additional Components (Option)	<ul style="list-style-type: none"> <li>- Remote power supply (SA-PWL5; SA-PWL10; SA-PWL20; SA-PWL30, SA-PWL40)</li> <li>- Video wall processor: SLC2 Pro, SLC4 Pro, SLC6 Pro, SLC13 Pro, C2X series, C3X series, C4X series: Support configure, control and manage LED Video Wall system remotely</li> <li>- Video Wall Mount: SA-LMS</li> </ul>				

**STARVIEW REMOTE POWER SUPPLY**

Model	SA-PWL5	SA-PWL10	SA-PWL20	SA-PWL30	SA-PWL40
Input Voltage	100 ~ 400 VAC @ 50-60Hz				
Power Output	5 kW	10 kW	20 kW	30 kW	40 kW
Protection Function	With over-current, over-voltage, short-circuit, circuit-break, overload, surge and other protection functions				
Maximum Distance from Video Wall	300 m				

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*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.*

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