

PHSA1.9-EH/PHSA1.9-SH

Indoor Fine Pixel LED



Features:

- Bezel-free native 1080P, 4K and customized resolution LED video wall system.
- Ultimate visual performance with 14 bit grey scale, 1920 Hz refresh rate and 3000:1 contrast ratio.
- 24/7 reliability, 50,000hours lifespan at least.
- Dot by dot calibration ensures excellent color and brightness uniformity.
- Low power consumption, environment friendly.
- Natural heat dissipation mechanism enables fan-less design, no noise.
- PHSA1.9-EH and PHSA1.9-SH adopt different LED package.



Technical Specification

Model

Model	PHSA1.9-EH/PHSA1.9-SH
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Parameters

Pixel Pitch	1.935mm
Pixel Type	1R1G1B
LED Type	SMD1010
Brightness	600 cd/m ²
Brightness Control	Automatic/Manual
Color Temperature	2000K~9300K (adjustable)
Viewing Angle	160°/160°
Pixel Density	267,078 dots/m ²
Module Resolution (W×H)	84×63 dots
Module Size (W×H)	162.5×121.6 mm
Cabinet Resolution (W×H)	336×189 dots
Cabinet Size (W×H×D)	650×365×88 mm
Cabinet Weight	7.8 kg/cabinet
Cabinet Area	0.238 m ²

Cabinet Material	Die-cast aluminum
Cabinet Aspect Ratio	16:9
Ingress Protection	IP30
Operating Temperature	-20 C ~+50 C /10%~90%RH
Storage Temperature	-40 C ~+60 C /0~90%RH
Cabinet Flatness	≤0.1 mm
Color Processing Depth	14 bits
Grey Level	16,384 levels per color
Color	4.39 trillion
Single Pixel Brightness Correction	Support
Single Pixel Color Correction	Support
Brightness Uniformity	97%/±0.003
Color Uniformity	(x,y)±0.003
Contrast	3000:1
Frame Rate	50/60 Hz
Refresh Rate	1920 Hz
Input Voltage	AC100~240V (+/-10%), 50/60 Hz
Input Power (max)	575 W/m ²

Input Power (avg)	144 W/m ²
Lifespan	50,000 Hours
LED Wavelength	R:620~630nm, G:520~535nm, B:465~475nm
Driving Mode	Constant Current Driving, 1/28 scan
Installation	Fixed
Maintenance Mode	Rear Maintenance
Communication Connection	CAT5 Cable (L≤100m); multi-mode fiber (L≤300m); single mode fiber (L≤15km)