

PHSA2.5-SS

Indoor Small Pixel Pitch LED



Features:

- Bezel-free native 1080P, 4K and customized resolution LED video wall system.
- Ultimate visual performance with 14 bit grey scale, 2880 Hz refresh rate and 3000:1 contrast ratio.
- 24/7 reliability, 100,000hours 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.



Technical Specification

Model

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Parameters

Pixel Pitch	2.5mm
Pixel Type	1R1G1B
LED Type	SMD2020
Brightness	800 cd/m ²
Brightness Control	Automatic/Manual
Color Temperature	2000K~10000K(adjustable)
Viewing Angle	160°/160°
Pixel Density	160,000 dots/m ²
Module Resolution (W×H)	96×96 dots
Module Size (W×H)	240×240 mm
Cabinet Resolution (W×H)	192×192 dots
Cabinet Size (W×H×D)	480×480×80 mm
Cabinet Weight	8.5 kg/cabinet
Cabinet Area	0.2304 m ²

Cabinet Material	Die-cast aluminum
Cabinet Aspect Ratio	1:1
Ingress Protection	IP30
Operating Temperature	0 C~+45 C /10%~80%RH
Storage Temperature	-10 C~+55 C /10%~80%RH
Cabinet Flatness	≤0.1 mm
Color Processing Depth	14 bits
Grey Level	16,384 levels per color
Color	0.068 trillion
Single Pixel Brightness Correction	Support
Single Pixel Color Correction	Support
Brightness Uniformity	≥98%
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)	560 W/m ²

Input Power (avg)	205 W/m ²
Lifespan	100,000 Hours
LED Wavelength	R:610~630nm, G:515~540nm, B:460~480nm
Driving Mode	Constant Current Driving, 1/24 scan
Installation	Fixed
Maintenance Mode	Front Maintenance
Communication Connection	CAT5 Cable (L≤140m); multi-mode fiber (L≤500m); single mode fiber (L≤20km)