

PHSA1.5-H

Indoor Small Pixel Pitch LED



Features:

- Bezel-free native 1080P, 4K and customized resolution LED video wall system.
- Ultimate visual performance with 16 bit grey scale, 1920 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	1.588mm
Pixel Type	1R1G1B
LED Type	SMD1010
Brightness	800 cd/m ²
Brightness Control	Automatic/Manual
Color Temperature	2000K~9300K (adjustable)
Viewing Angle	160°/160°
Pixel Density	406,588 dots/m ²
Module Resolution (W×H)	96×108
Module Size (W×H)	152.48×171.54 mm
Cabinet Resolution (W×H)	384×216 dots
Cabinet Size (W×H×D)	609.92×343.08×77 mm
Cabinet Weight	7.8 kg/cabinet
Cabinet Area	0.209 m ²

Cabinet Material	Die-cast aluminum
Cabinet Aspect Ratio	16:9
Ingress Protection	IP50
Operating Temperature	-10 C~+45 C /10~80%RH
Storage Temperature	-20 C~+55 C /10~80%RH
Cabinet Flatness	≤0.1 mm
Color Processing Depth	16 bits
Grey Level	65,536 levels per color
Color	281.4 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)	765 W/m ²

Input Power (avg)	253 W/m ²
Lifespan	≥100,000 Hours
LED Wavelength	R:620~630nm, G:520~535nm, B:465~475nm
Driving Mode	Constant Current Driving, 1/16 scan
Installation	Fixed
Maintenance Mode	Front/Rear Maintenance for Module/Other
Communication Connection	CAT5 Cable (L≤100m); multi-mode fiber (L≤300m); single mode fiber (L≤15km)