

PHSA1.9-MH

Indoor Small Pixel Pitch LED



Features:

- Leading technology of high grey level and low brightness, high contrast ratio 8000:1, processing depth 16bit, refresh rate 3000~7200Hz(adjustable)
- Wide color range, excellent color uniformity, no rainbow effect, broadcasting strong stability.
- Seamless, bezel-free, size-free splicing with adjusting accuracy is 0.01mm
- Metal cooling structure, no noise and no fan.
- Die-casting aluminum design, CNC precise processing.
- Modular front maintenance, supporting hot plugging for unit module and wires



Technical Specification

Model

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Parameters

Pixel Pitch	1.92mm
Pixel Type	1R1G1B
LED Type	SMD0909
Brightness	800 cd/m ²
Brightness Control	Automatic/Manual
Color Temperature	1500K~12000K(adjustable)
Viewing Angle	170°/160°
Pixel Density	271,267 dots/m ²
Module Resolution (W×H)	120×90 dots
Module Size (W×H)	230.4×172.8 mm
Cabinet Resolution (W×H)	240×180 dots
Cabinet Size (W×H×D)	460.8×345.6×39.5 mm
Cabinet Weight	7.7 kg/cabinet
Cabinet Area	0.1593 m ²

Cabinet Material	Die-cast aluminum
Cabinet Aspect Ratio	4:3
Ingress Protection	Front/Rear IP40/IP42
Operating Temperature	-20 C~+50 C /10%~90%RH
Storage Temperature	-40 C~+60 C /10%~90%RH
Cabinet Flatness	0.05 mm
Color Processing Depth	≥16 bits
Grey Level	16,384 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	8000:1
Frame Rate	50/60 Hz
Refresh Rate	3000~7200 Hz (adjustable)
Input Voltage	AC100~240V (+/-10%), 50/60 Hz
Input Power (max)	750 W/m ²

Input Power (avg)	260 W/m ²
Lifespan	80,000 Hours
LED Wavelength	R:618~622nm, G:526~529nm, B:463~466nm
Driving Mode	Constant Current Driving, 1/30 scan
Installation	Fixed
Maintenance Mode	Front Maintenance
Communication Connection	CAT5 Cable (L≤100m); multi-mode fiber (L≤500m); single mode fiber (L≤20km)