

PHSA1.6-MH

Indoor Fine Pixel LED



Features:

- Leading technology of high grey level and low brightness, high contrast ratio 8000:1, processing depth 16bit, refresh rate 7200Hz
- 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	1.60mm
Pixel Type	1R1G1B
LED Type	SMD0909
Brightness	50~800 cd/m ² (adjustable)
Brightness Control	Automatic/Manual
Color Temperature	1500K~12000K (adjustable)
Viewing Angle	170°/160°
Pixel Density	390,625 dots/m ²
Module Resolution (W×H)	144×108 dots
Module Size (W×H)	230.4×172.8 mm
Cabinet Resolution (W×H)	288×216 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	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	8000:1
Frame Rate	50/60 Hz
Refresh Rate	7200 Hz
Input Voltage	AC90~264V,47~63Hz
Input Power (max)	937 W/m ²

Input Power (avg)	310 W/m ²
Lifespan	80,000 Hours
LED Wavelength	R:620~630nm, G:520~530nm, B:465~475nm
Driving Mode	Constant Current Driving, 1/27 scan
Installation	Fixed
Maintenance Mode	Front Maintenance
Communication Connection	CAT5 Cable (L≤100m); multi-mode fiber (L≤300m); single mode fiber (L≤15km)