

# DS-D4450FO

## 5.0mm Pixel Pitch Outdoor LED Screen

### Product Introduction

DS-D4450FO, fine pitch LED full-color display with a pixel pitch of 5.0mm and a cabinet ratio of 1:1, which can fully realize true seamless splicing, with high brightness and contrast and super wide viewing angle, which can achieve high quality at all angles. The display effect is small, and the service life can reach 100,000 hours. The product can realize IP65 on the front side, the product could run steadily, as well as the durable quantity makes the product be widely used for publishing information in public places

### Available Models

DS-D4450FO

### Typical Applications



### Features and Functions

	For video wall composition with superior luminance uniformity
	High brightness provides vivid images in a range of lighting conditions
	Superior contrast ratio
	Broadcast grey processing gives more image details
	Superior brightness and color uniformity maintains smooth and complete image quality
	Ultra-high refresh rate
	Nanosecond response time
	Long service life
	Wide viewing angle (160°)
	High aperture ratio and wide color gamut coverage (NTSC 72%)
	Low heating and superior cooling system ensures high reliability and environmental protection
	Take up a small amount of space
	Stable function, low failure rate, low maintenance cost

## SPECIFICATIONS

<b>LED Module</b>	Pixel Package	SMD 1921
	Pixel Structure	1R1G1B
	Pixel pitch	5.0
	Pixel density (dot/m <sup>2</sup> )	40000
	Module Resolution (W ×H)	64*32
	Module Dimensions (W ×H)	320*160
<b>LED Unit</b>	Unit Modules component (W ×H)	3*6
	Resolution (W ×H)	192*192
	Unit Dimension	960*960
	Unit Area	0.9216
	Weight	42.0±2
	Ingress protection	IP65 on the front side
	Aspect ratio	1:1
	Unit flatness (mm)	0.5
	maintenance mode	Back maintenance
	Material	Iron cabinet
<b>Optical</b>	Brightness (nits)	6000
	Color temperature	3500-9300
	Viewing angle	120° H/120° V
	Recommended viewing distance	5m
	Center distance deviation of LED	≤3%
	Brightness uniformity	≥97%
	Color uniformity	≥97%
	Contrast	3000:1
<b>Electrical</b>	Max. consumption (W/m <sup>2</sup> )	1000
	Average consumption (W/m <sup>2</sup> )	330
	Power supply	AC 90-132V / 180-264V
<b>Processing Performance</b>	Driving mode	Constant current drive
	Frame frequency	60Hz
	Refresh rate	≥1920Hz
	Processing depth (bit)	16
	Grey level	65536
	Color	16770000
	Brightness control	256 level
<b>General</b>	Working hours	≥50000h
	Working temperature	-20℃~50℃
	Storage temperature	-30℃~60℃
	Working humidity	10%~90% RH
	Storage humidity	10%~90% RH

