

# DS-D4420FI-CAF

## 2 mm Pixel Pitch Indoor LED Screen

### Product Introduction

DS-D4420FI-CAF, fine pitch LED full-color display with a pixel pitch of 2 mm and a cabinet ratio of 8:9, 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 the front side disassembly of the module, and the maintenance cost is low.

### Available Models

DS-D4420FI-CAF

### 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
	Front maintain, low maintenance cost

## SPECIFICATIONS

<b>LED Module</b>	Pixel Package	SMD1515
	Pixel Structure	1R1G1B
	Pixel pitch	2.1 mm
	Pixel density	221,234 pixel/ m <sup>2</sup>
	Module Resolution (W × H)	112 × 128
	Module Dimensions (W × H)	240 × 270 mm
<b>LED Unit</b>	Unit Modules component (W × H)	2 × 2
	Resolution (W × H)	224 × 256
	Unit Dimension	480 × 540 × 70 mm (18.8 × 21.2 × 2.7 inch)
	Unit Area	0.2592 m <sup>2</sup>
	Weight	≤ 6.5 kg (14.29 lb.)
	Ingress protection	IP5X
	Aspect ratio	8 : 9
	Unit flatness (mm)	≤ 0.2
	maintenance mode	Front Access
	Material	Die-cast Aluminum
<b>Optical</b>	Brightness (nits)	600
	Color temperature	3000 to 10000 adjustable
	Viewing angle	Horizontal 160°, vertical 160°
	Recommended viewing distance	≥ 2 m
	Center distance deviation of LED	≤ 3%
	Brightness uniformity	≥ 97%
	Color uniformity	≤ ± 0.003 Cx, Cy
Contrast	≥ 5000 : 1	
<b>Electrical</b>	Max. consumption (W/m <sup>2</sup> )	480
	Average consumption (W/m <sup>2</sup> )	134
	Power supply	180 to 240 VAC
<b>Processing Performance</b>	Driving mode	Constant current driving
	Frame frequency	60 Hz
	Refresh rate	1,920-3,840 Hz
	Processing depth (bit)	16
	Grey level	65,536
	Color	281.4 trillion
Brightness control	Auto/Manual	
<b>General</b>	Working hours	≥ 100,000 h
	Working temperature	-10 to 45 °C
	Storage temperature	-20 to 60 °C
	Working humidity	10 to 90 % (non-condensing)
	Storage humidity	10 to 90% (non-condensing)

