

## DS-D4218FI-CAF Full-Color LED Display



DS-D4418FI-CAF is the new generation small pixel pitch indoor full-color LED display. LED video wall features in seamlessness, high brightness/contrast, wide viewing angle, and accurate color restoration, achieving good visual effect. It is widely used in places such as monitoring center, command center, conference room, report hall, and exhibition hall.

- Seamlessly splice images in rows and columns.
- Easily form standard 1920 × 1080 and 3840 × 2160 screens, achieving high definition dot-by-dot display.
- Automatically adapt signal sources to screens without the help of a video processing equipment.
- Easily optimize images with low resolution by improving definition, contrast and saturation with Pix Master technology.
- Dynamically enhance image parameters such as contrast, sharpness, saturation, color temperature and gamut to get the image more vivid.
- A signal input of 4K resolution at 30 Hz, and an output of up to 4K resolution for a single device.
- Use the Hikvision remote control (optional) to navigate through menu after access to the multi-functional card.
- Automatically remove moisture to protect lamp boards from water damage when the device is kept in a humid environment or left unused for a long time.
- Back up signals and power supplies (optional) to maintain a reliable system.
- Use the sending card to input HDMI, DVI, and DP signals.
- Network interface output.
- Remote configuration via the debugging network interface.
- Easy to disassemble lamp board, power supply, and receiving card on the front side with modular unit structure.
- Precise fool-proof design of lamp boards with magnetic adsorption to prevent wrong installation.
- Three-axis XYZ structure designed to perfectly adjust the flatness of the entire screen.
- Rapidly eliminate bright and dim lines with no need of professional equipment or operations.



## ▪ Specification

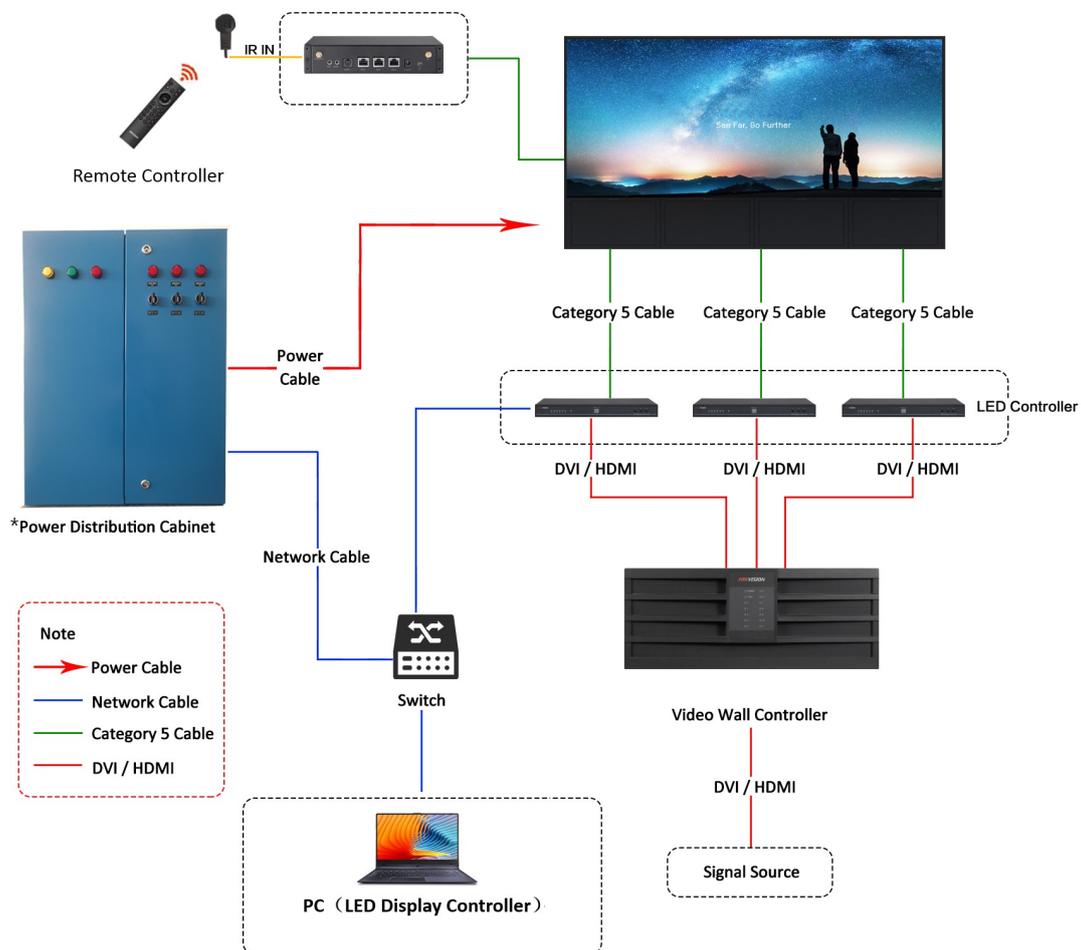
<b>Cabinet</b>	
Pixel Configuration	SMD 3-IN-1 LED
Pixel Pitch Category	P1.8
Pixel Pitch	1.875 mm
Lamp Dimensions	1.5 × 1.5 mm
Modules Component	2 × 2
Dimensions (W × H × D)	480 mm x 540mm x 54 mm (18.90" × 21.26" × 2.12")
Resolution	256 x 288
Area	0.2592 m <sup>2</sup>
Weight	7KG (15.43lb)
Pixel Density	284444 dots/m <sup>2</sup>
Lamp Board Housing	no housing
Cabinet Material	Die-cast aluminum
Maintenance Method	Front maintenance for all components
Cabinet Flatness	0.1 mm
Protection Level	Front protection level IP5X
<b>Key Material</b>	
Lamp Encapsulation	DSBJ1515
Driver IC	ICN2153
Control System	DS-D42C04-H、DS-D42C08-H、DS-D42C16-H
<b>Display</b>	
White Balance Brightness	800 cd/m <sup>2</sup>
Color Temperature	3000 K to 10000 K adjustable
Viewing Angle	Horizontal 160°, vertical 160°
Contrast Ratio	≥ 5000:1
Color Uniformity	≤ ± 0.003Cx, Cy
Brightness Uniformity	≥ 97%
<b>Processing Performance</b>	
Driving Method	Constant current driving
Frame Frequency	60 Hz
Refresh Rate	3840 Hz
Grey Level	16 bit
Display Color	281 trillion
<b>Power</b>	
Power Supply	110~220 VAC ± 15%
Max. Consumption	≤ 600 W/m <sup>2</sup>
Average Consumption	< 200 W/m <sup>2</sup>
<b>Working Environment</b>	
Working Temperature	-10-40 °C
Working Humidity	10%~80%RH
Storage Humidity	10%~80%RH

Storage Temperature	-20~60 °C		
<b>General</b>			
Gross Weight	40 Kg (88.2 lb)		
Package Dimension (W × H × D)	598mm × 467mm × 763mm	(23.54" × 18.38" × 30.04")	4in1
Lifespan	Lamp 100,000 hours		

## ▪ Available Model

DS-D4218FI-CAF, 二代480\*540/箱体, 海康系统,

## ▪ Typical Application



## ▪ Accessory



DS-D42C16-H  
LED Display Controller



DS-D42C08-H  
LED Display Controller

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