Product Comparison

Technical Parameters

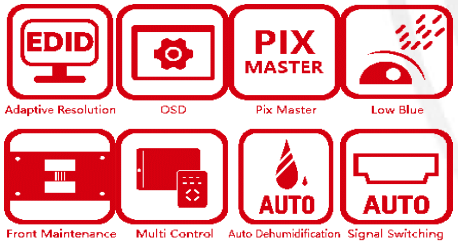
- ○ Highlights Differences
- ◉ All Parameters

	Selected Product	COMPARE	COMPARE	COMPARE
	DS-D4212FI-CWF/Ⅲ P1.25 Fine Fixel Pitch LED Display Unit	DS-D4215FI-CWF/Ⅲ P1.56 Fine Fixel Pitch LED Display Unit	DS-D4218FI-CWF/Ⅲ P1.875 Fine Fixel Pitch LED Display Unit	DS-D4225FI-CWF/Ⅲ P2.5 Fine Fixel Pitch LED Display Unit
Pixel Configuration	SMD Triad LED	SMD Triad LED	SMD Triad LED	SMD Triad LED
Pixel Pitch Category	P1.2	P1.5	P1.8	P2.5
Pixel Pitch	1.25 mm	1.5625 mm	1.875 mm	2.48 mm
Modules Component	2 × 4	2 × 4	2 × 4	2 × 4
Dimensions (W × H × D)	600 mm × 337.5 mm × 50.9 mm (23.62" × 13.29" × 2.00")	600 mm × 337.5 mm × 50.9 mm (23.62" × 13.29" × 2.00")	600 mm × 337.5 mm × 50.9 mm (23.62" × 13.29" × 2.00")	600 mm × 337.5 mm × 50.9 mm (23.62" × 13.29" × 2.00")
Resolution	480 × 270	384 × 216	320 × 180	240 × 136
Area	0.2025 m²	0.2025 m²	0.2025 m²	0.2025 m²
Weight	5.4 Kg (11.9 lb)	5.4 Kg (11.9 lb)	5.4 Kg (11.9 lb)	5.4 Kg (11.9 lb)
Pixel Density	640000 dots/m²	409600 dots/m²	284444 dots/m²	161185 dots/m²
Lamp Board Housing	No housing	With housing	No housing	With housing
Cabinet Material	Magnalium	Magnalium	Magnalium	Magnalium
Maintenance Method	Front maintenance for all components	Front maintenance for all components	Front maintenance for all components	Front maintenance for all components
Cabinet Flatness	0.1 mm	0.1 mm	0.1 mm	0.1 mm
Protection Level	Front protection level IP60	Front protection level IP60	Front protection level IP60	Front protection level IP60
White Balance Brightness	800 cd/m²	800 cd/m²	800 cd/m²	800 cd/m²
Color Temperature	3000 K to 10000 K adjustable	3000 K to 10000 K adjustable	3000 K to 10000 K adjustable	3000 K to 10000 K adjustable
Viewing Angle	Horizontal 160°, vertical 160°	Horizontal 160°, vertical 160°	Horizontal 160°, vertical 160°	Horizontal 160°, vertical 160°
Contrast Ratio	≥ 5000:1	≥ 5000:1	≥ 5000:1	≥ 5000:1
Color Uniformity	≤ ± 0.003Cx，Cy	≤ ± 0.003Cx，Cy	≤ ± 0.003Cx，Cy	≤ ± 0.003Cx，Cy
Brightness Uniformity	≥ 97%	≥ 97%	≥ 97%	≥ 97%
Gross Weight	9.6 Kg (21.2 lb)	9.6 Kg (21.2 lb)	9.6 Kg (21.2 lb)	9.6 Kg (21.2 lb)
Package Dimension (W × H × D)	796 mm × 484 mm × 192 mm (31.33" × 19.05" × 7.56")	796 mm × 484 mm × 192 mm (31.33" × 19.05" × 7.56")	796 mm × 484 mm × 192 mm (31.33" × 19.05" × 7.56")	796 mm × 484 mm × 192 mm (31.33" × 19.05" × 7.56")
Lifespan	Lamp 100,000 hours	Lamp 100,000 hours	Lamp 100,000 hours	Lamp 100,000 hours

Power Supply	110~220 VAC ± 15%	110~220 VAC ± 15%	110~220 VAC ± 15%	110~220 VAC ± 15%
Max. Consumption	≤ 600 W/m²	≤ 450 W/m²	≤ 345 W/m²	≤ 375 W/m²
Average Consumption	< 200 W/m²	< 150 W/m²	< 115 W/m²	< 125 W/m²
Driving Method	Constant current driving	Constant current driving	Constant current driving	Constant current driving
Frame Frequency	60 Hz	60 Hz	60 Hz	60 Hz
Refresh Rate	Up to 3840 Hz	Up to 3840 Hz	Up to 3840 Hz	Up to 3840 Hz
Grey Level	Up to 16 bit	Up to 16 bit	Up to 16 bit	Up to 16 bit
Display Color	281 trillion	281 trillion	281 trillion	281 trillion
Working Temperature	-10-40 ℃	-10-40 ℃	-10-40 ℃	-10-40 ℃
Working Humidity	10%~80%RH	10%~80%RH	10%~80%RH	10%~80%RH
Storage Humidity	10%~80%RH	10%~80%RH	10%~80%RH	10%~80%RH
Storage Temperature	-20~60 ℃	-20~60 ℃	-20~60 ℃	-20~60 ℃

DS-D4212FI-CWF/Ⅲ
Full-Color LED Display

DS-D4212FI-CWF 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.

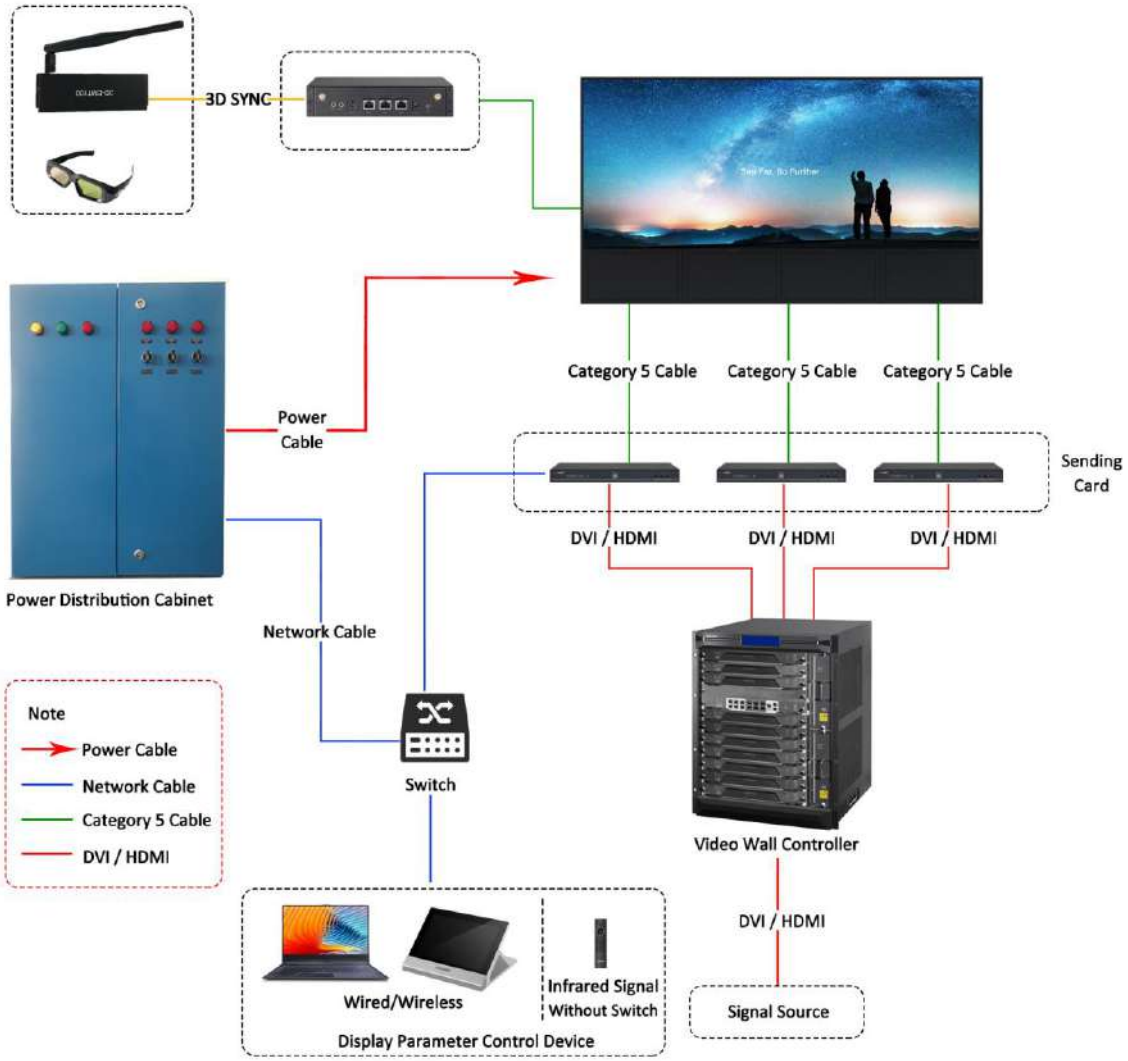


- Seamlessly splice images in rows and columns.
- Easily form standard 1920 × 1080 and 3840 × 2160 screens, achieving high definition dot-by-dot display.
- Automatically adapt signal sources to screens without the help of a video processing equipment.
- Easily optimize images with low resolution by improving 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 buttons on the panel of sending card to adjust brightness and switch signal.
- 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.
- Real-time cabinet temperature and voltage checking to guarantee product safety.
- 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.

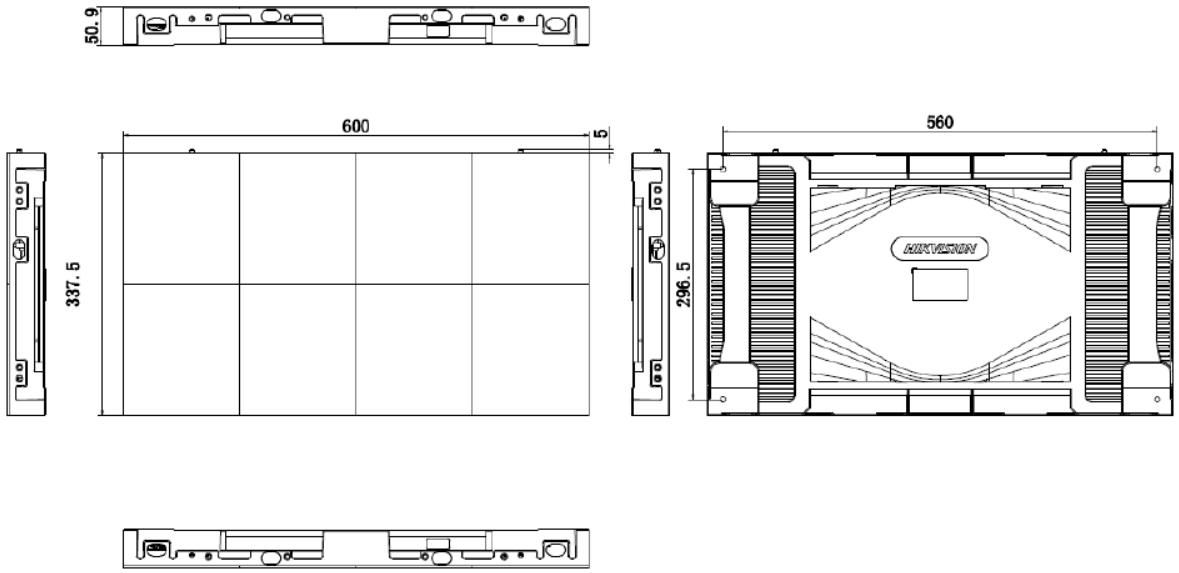
▪ Specification

Model		DS-D4212FI-CWF/Ⅲ
Cabinet	Pixel Configuration	SMD Triad LED
	Pixel Pitch Category	P1.2
	Pixel Pitch	1.25 mm
	Modules Component	2 × 4
	Dimensions (W × H × D)	600 mm × 337.5 mm × 50.9 mm (23.62" × 13.29" × 2.00")
	Resolution	480 × 270
	Area	0.2025 m²
	Weight	5.4 Kg (11.9 lb)
	Pixel Density	640000 dots/m²
	Lamp Board Housing	No housing
	Cabinet Material	Magnalium
	Maintenance Method	Front maintenance for all components
	Cabinet Flatness	0.1 mm
	Protection Level	Front protection level IP60
Display	White Balance Brightness	800 cd/m²
	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%
Processing Performance	Driving Method	Constant current driving
	Frame Frequency	60 Hz
	Refresh Rate	Up to 3840 Hz
	Grey Level	Up to 16 bit
	Display Color	281 trillion
Power	Power Supply	110~220 VAC ± 15%
	Max. Consumption	≤ 600 W/m²
	Average Consumption	< 200 W/m²
Working Environment	Working Temperature	-10-40 ℃
	Working Humidity	10%~80% RH
	Storage Humidity	10%~80% RH
	Storage Temperature	-20~60 ℃
General	Gross Weight	9.6 Kg (21.2 lb)
	Package Dimension (W × H × D)	796 mm × 484 mm × 192 mm (31.33" × 19.05" × 7.56")
	Lifespan	Lamp 100,000 hours

▪ Typical Application



▪ Dimension (unit: mm)



▪ Accessory

DS-D42C08-H

DS-D42C04-H

▪ Available Model

- DS-D4212FI-CWF 600 × 337.5 mm/3rd Cabinet
- DS-D4212FI-CWF/A 3rd Cabinet Lamp Board

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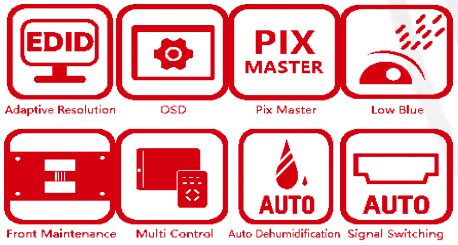
DS-D4215FI-CWF/Ⅲ
Full-Color LED Display

DS-D4215FI-CWF 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.



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- 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 buttons on the panel of sending card to adjust brightness and switch signal.
- 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.
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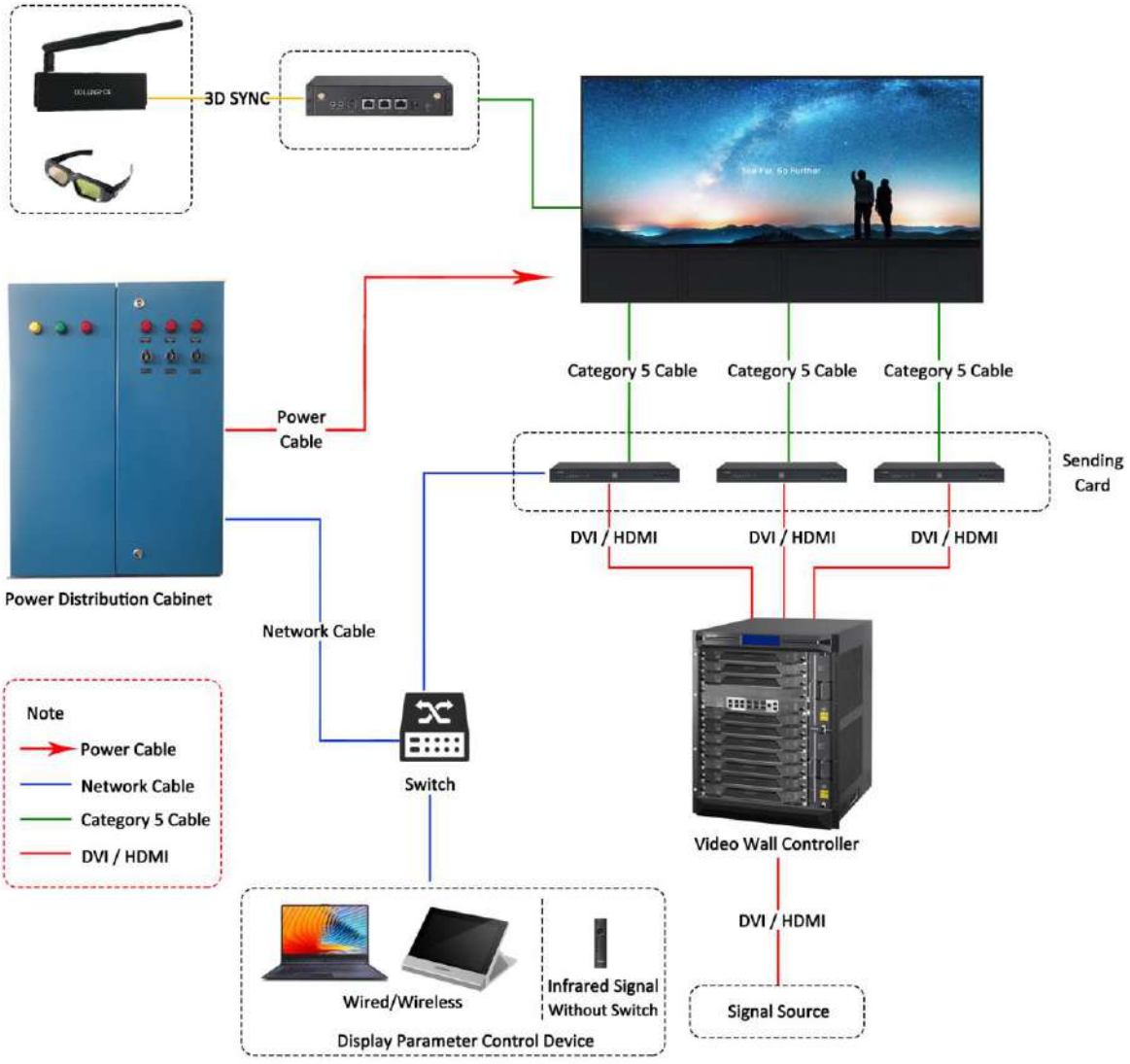
- Precise fool-proof design of lamp boards with magnetic adsorption to prevent wrong installation.
- Three-axis XYZ structure designed to perfectly adjust the flatness of the entire screen.
- Rapidly eliminate bright and dim lines with no need of professional equipment or operations.

▪ Specification

Model		DS-D4215FI-CWF/Ⅲ
Cabinet	Pixel Configuration	SMD Triad LED
	Pixel Pitch Category	P1.5
	Pixel Pitch	1.5625 mm
	Modules Component	2 × 4
	Dimensions (W × H × D)	600 mm × 337.5 mm × 50.9 mm (23.62" × 13.29" × 2.00")
	Resolution	384 × 216
	Area	0.2025 m²
	Weight	5.4 Kg (11.9 lb)
	Pixel Density	409600 dots/m²
	Lamp Board Housing	With housing
	Cabinet Material	Magnalium
	Maintenance Method	Front maintenance for all components
	Cabinet Flatness	0.1 mm
	Protection Level	Front protection level IP60
Display	White Balance Brightness	800 cd/m²
	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%
Processing Performance	Driving Method	Constant current driving
	Frame Frequency	60 Hz
	Refresh Rate	Up to 3840 Hz
	Grey Level	Up to 16 bit
	Display Color	281 trillion
Power	Power Supply	110~220 VAC ± 15%
	Max. Consumption	≤ 450 W/m²
	Average Consumption	< 150 W/m²
Working Environment	Working Temperature	-10-40 ℃
	Working Humidity	10%~80% RH
	Storage Humidity	10%~80% RH
	Storage Temperature	-20~60 ℃
General	Gross Weight	9.6 Kg (21.2 lb)
	Package Dimension (W × H × D)	796 mm × 484 mm × 192 mm (31.33" × 19.05" × 7.56")
	Lifespan	Lamp 100,000 hours

▪ Typical Application



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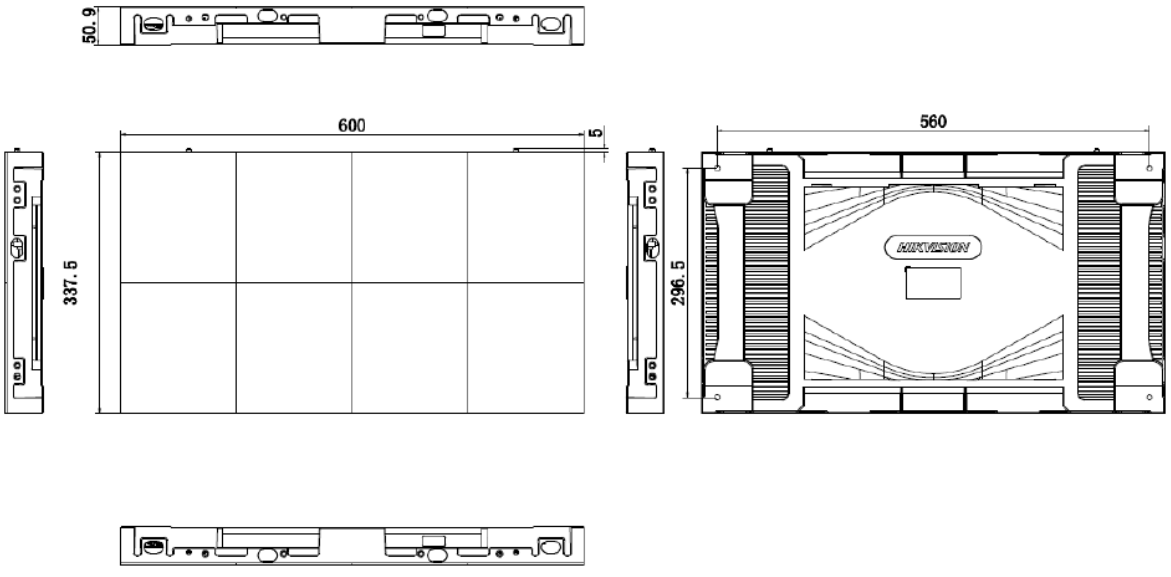

▪ Accessory

DS-D42C08-H

DS-D42C04-H

▪ Available Model

- DS-D4215FI-CWF 600 × 337.5 mm/3rd Cabinet
- DS-D4215FI-CWF/A 3rd Cabinet Lamp Board

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Full-Color LED Display

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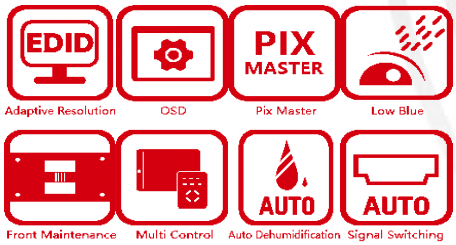

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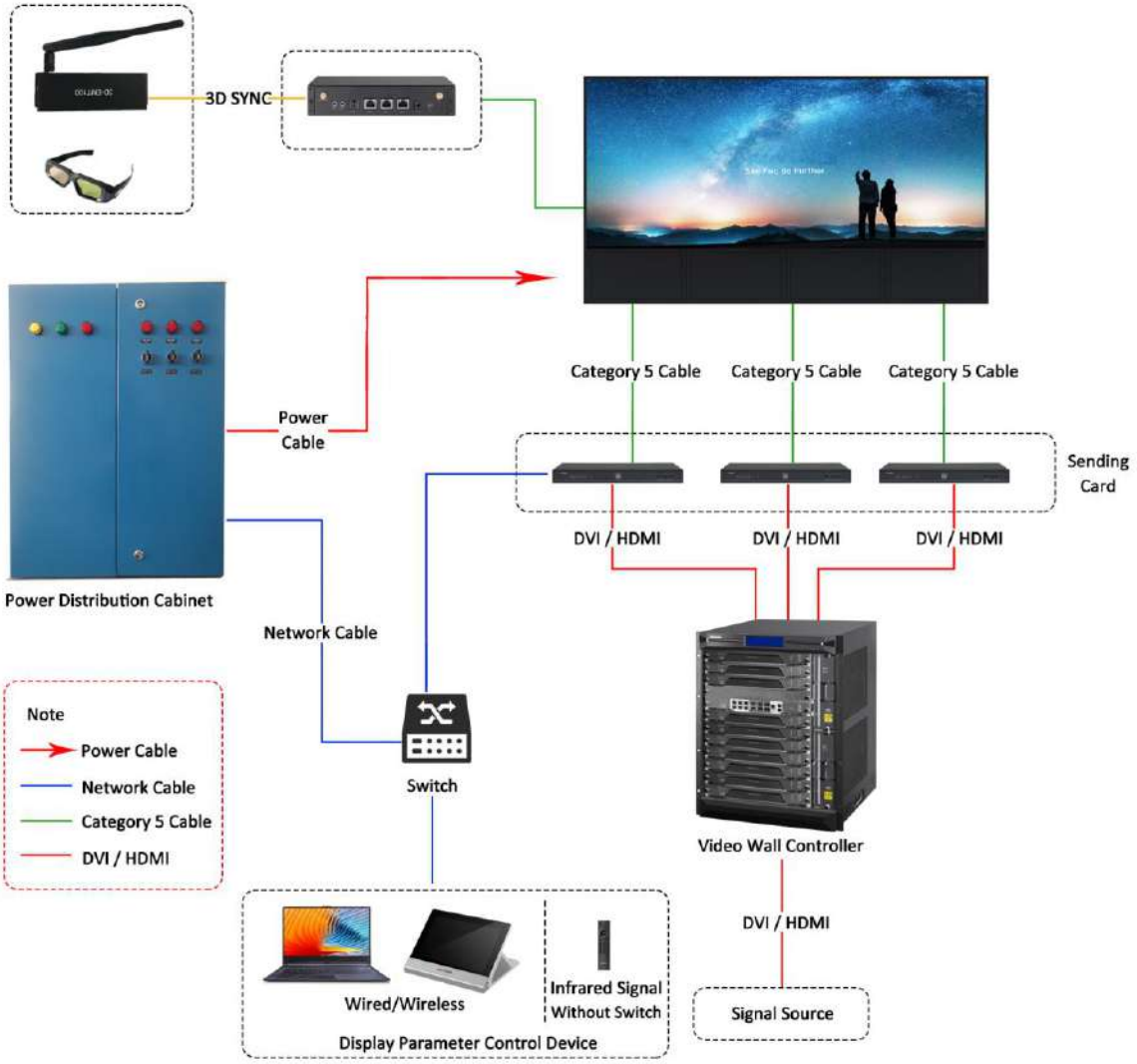
- Three-axis XYZ structure designed to perfectly adjust the flatness of the entire screen.
- Rapidly eliminate bright and dim lines with no need of professional equipment or operations.

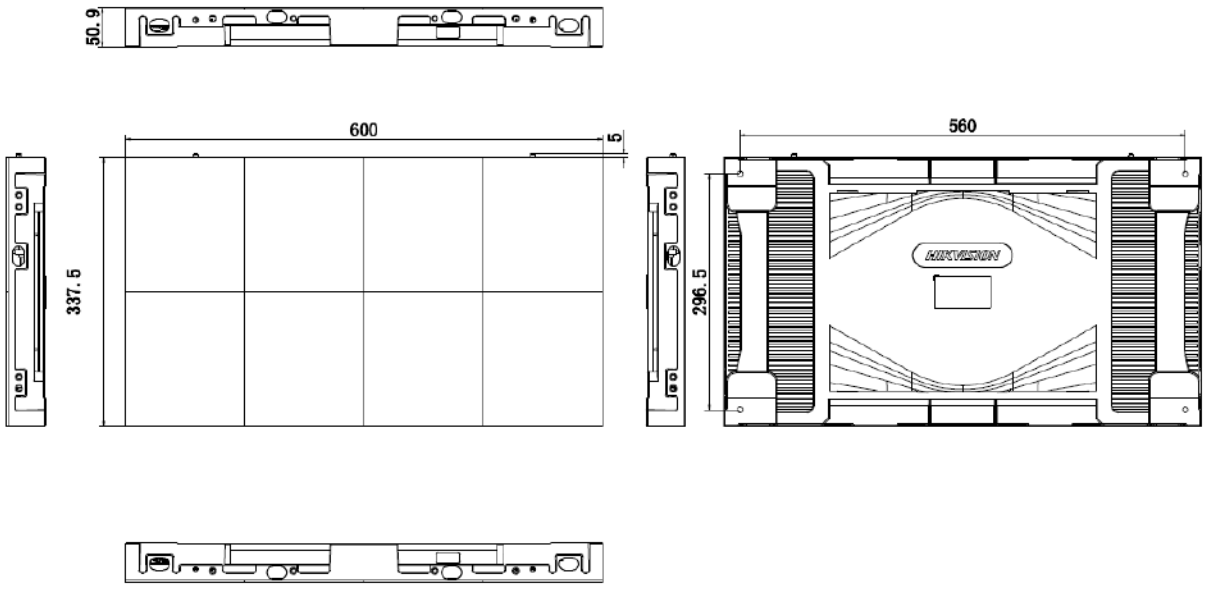
▪ Specification

Model		DS-D4218FI-CWF/Ⅲ
Cabinet	Pixel Configuration	SMD Triad LED
	Pixel Pitch Category	P1.8
	Pixel Pitch	1.875 mm
	Modules Component	2 × 4
	Dimensions (W × H × D)	600 mm × 337.5 mm × 50.9 mm (23.62" × 13.29" × 2.00")
	Resolution	320 × 180
	Area	0.2025 m²
	Weight	5.4 Kg (11.9 lb)
	Pixel Density	284444 dots/m²
	Lamp Board Housing	No housing
	Cabinet Material	Magnalium
	Maintenance Method	Front maintenance for all components
	Cabinet Flatness	0.1 mm
	Protection Level	Front protection level IP60
Display	White Balance Brightness	800 cd/m²
	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%
Processing Performance	Driving Method	Constant current driving
	Frame Frequency	60 Hz
	Refresh Rate	Up to 3840 Hz
	Grey Level	Up to 16 bit
	Display Color	281 trillion
Power	Power Supply	110~220 VAC ± 15%
	Max. Consumption	≤ 345 W/m²
	Average Consumption	< 115 W/m²
Working Environment	Working Temperature	-10-40 ℃
	Working Humidity	10%~80% RH
	Storage Humidity	10%~80% RH
	Storage Temperature	-20~60 ℃
General	Gross Weight	9.6 Kg (21.2 lb)
	Package Dimension (W × H × D)	796 mm × 484 mm × 192 mm (31.33" × 19.05" × 7.56")
	Lifespan	Lamp 100,000 hours

▪ Typical Application



▪ Dimension (unit: mm)



▪ Accessory

DS-D42C08-H

DS-D42C04-H

▪ Available Model

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- DS-D4218FI-CWF/A 3rd Cabinet Lamp Board

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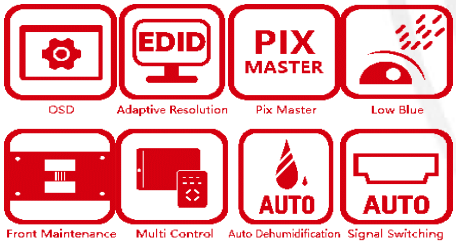
DS-D4225FI-CWF/Ⅲ
Full-Color LED Display

DS-D4225FI-CWF 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

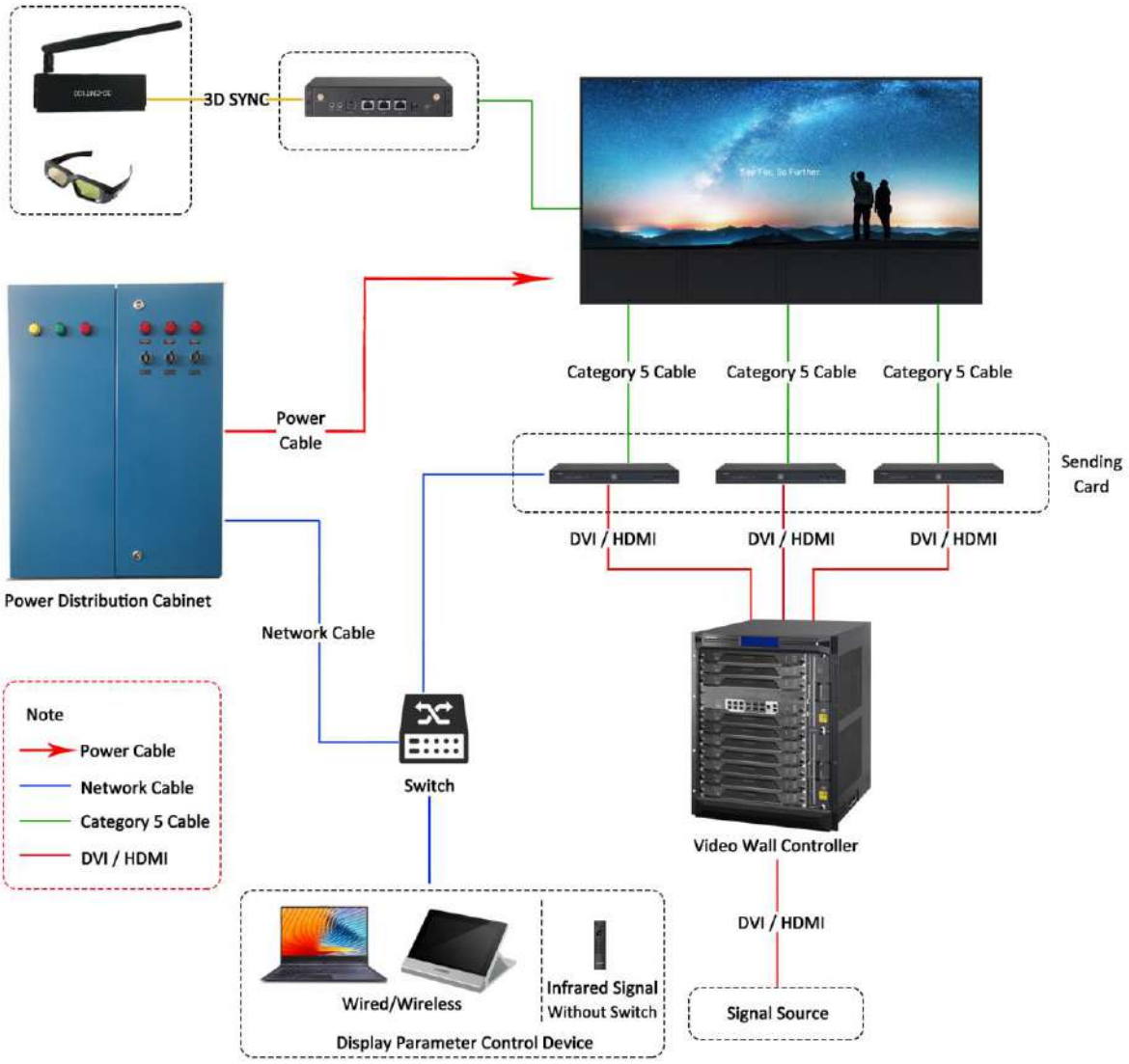


- Seamlessly splice images in rows and columns.
- Easily form standard 1920 × 1080 and 3840 × 2160 screens, achieving high definition dot-by-dot display.
- Automatically adapt signal sources to screens without the help of a video processing equipment.
- Easily optimize images with low resolution by improving 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 buttons on the panel of sending card to adjust brightness and switch signal.
- 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.
- Real-time cabinet temperature and voltage checking to guarantee product safety.
- 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.

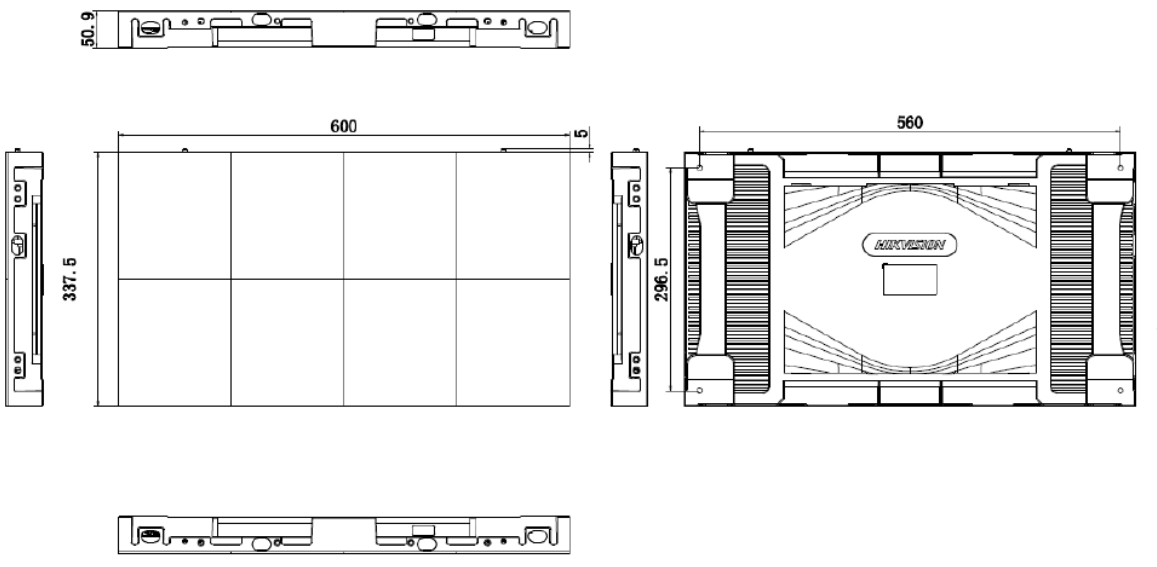
▪ Specification

Model		DS-D4225FI-CWF/Ⅲ
Cabinet	Pixel Configuration	SMD Triad LED
	Pixel Pitch Category	P2.5
	Pixel Pitch	2.48 mm
	Modules Component	2 × 4
	Dimensions (W × H × D)	600 mm × 337.5 mm × 50.9 mm (23.62" × 13.29" × 2.00")
	Resolution	240 × 136
	Area	0.2025 m²
	Weight	5.4 Kg (11.9 lb)
	Pixel Density	161185 dots/m²
	Lamp Board Housing	With housing
	Cabinet Material	Magnalium
	Maintenance Method	Front maintenance for all components
	Cabinet Flatness	0.1 mm
	Protection Level	Front protection level IP60
Display	White Balance Brightness	800 cd/m²
	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%
Processing Performance	Driving Method	Constant current driving
	Frame Frequency	60 Hz
	Refresh Rate	Up to 3840 Hz
	Grey Level	Up to 16 bit
	Display Color	281 trillion
Power	Power Supply	110~220 VAC ± 15%
	Max. Consumption	≤ 375 W/m²
	Average Consumption	< 125 W/m²
Working Environment	Working Temperature	-10-40 ℃
	Working Humidity	10%~80% RH
	Storage Humidity	10%~80% RH
	Storage Temperature	-20~60 ℃
General	Gross Weight	9.6 Kg (21.2 lb)
	Package Dimension (W × H × D)	796 mm × 484 mm × 192 mm (31.33" × 19.05" × 7.56")
	Lifespan	Lamp 100,000 hours

▪ Typical Application



▪ Dimension (unit: mm)



▪ Accessory

DS-D42C08-H

DS-D42C04-H

▪ Available Model

- DS-D4225FI-CWF 600 × 337.5 mm/3rd Cabinet
- DS-D4225FI-CHF/A 3rd Cabinet Lamp Board

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