

HIKVISION

2023-Q3

Commercial Display Spotlight Products



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01 Product System

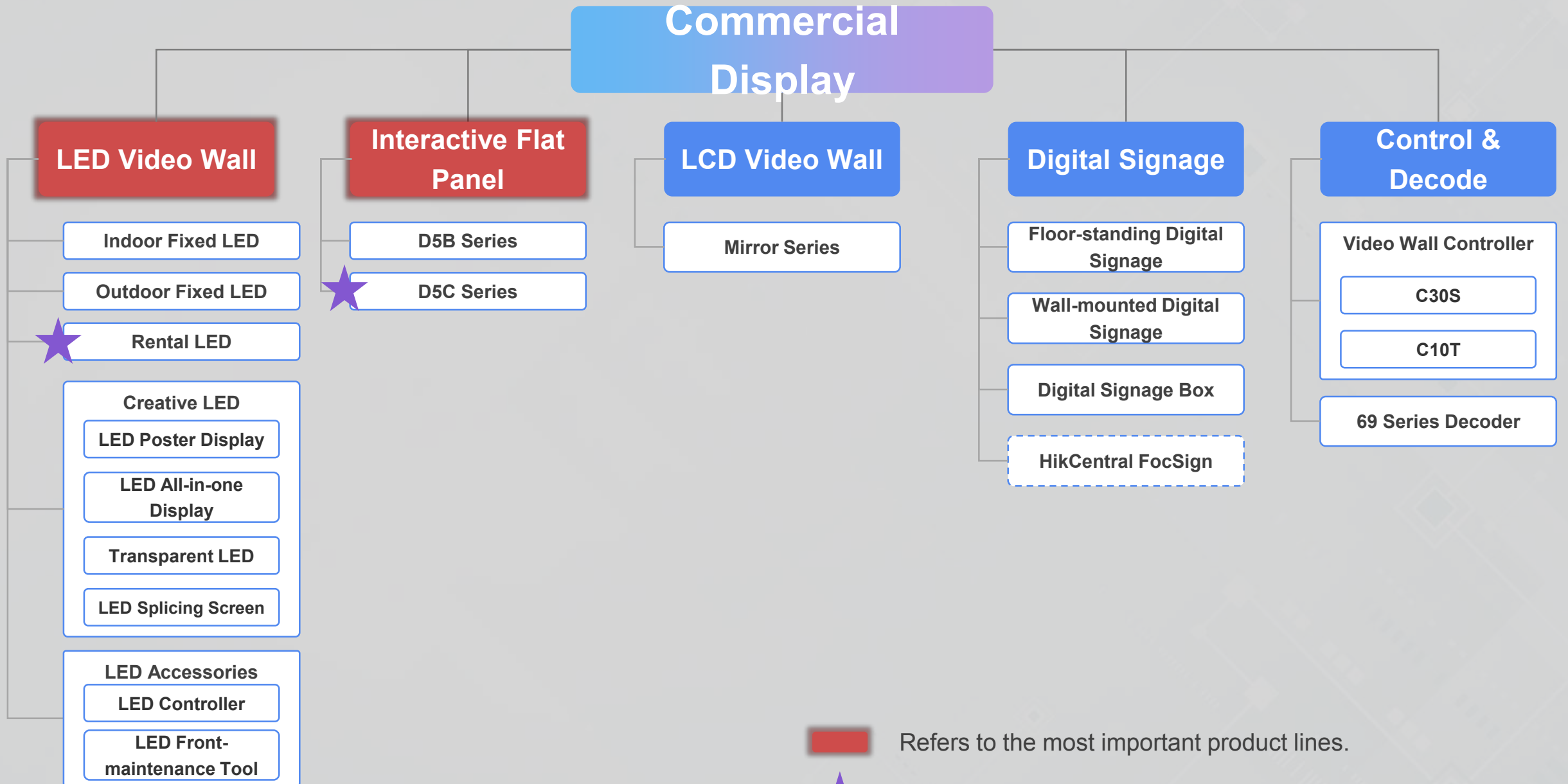
02 LED

03 LCD


04 Interactive Flat Panel

05 Digital Signage

06 Control & Decode



 Refers to the most important product lines.

 Refers to new/updated model/product added in this quarter.

Hikvision LED

Indoor Fixed LED



ZWDH(B)



CWF/CWFH



CGFx

Outdoor Fixed LED



CLF/GLF



CLFS/CLFL



BGF

Rental LED



CQ(FL)

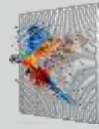
Creative LED



LED Poster Display



LED All-in-one Display



Transparent LED



LED Splicing Screen

Accessories



Decoder



Video Wall Controller



LED Controller

- **44 Series:** Without CE/CB certifications, more cost effective.

- **42 Series:** With CE/CB certifications.



Refers to new/updated model/product added in this quarter.



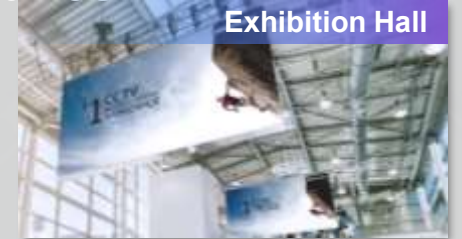
Recommended Application Scenarios



ZWDH(B)
Flip-chip COB
600*337.5
P0.7/0.9/1.2



Command Center



Exhibition Hall



CWFH
HOB Lamp
600*337.5
P1.2/1.5/1.8



Building Hall



Conference Room



CWF
600*337.5
P1.2/1.5/1.8/2.5



Mall



Retail Shop



CGFx
Rotatable Cabinet
250*750, 250*1000,
500*500, 500*1000
P1.5/1.9/2.6/2.9/3.9

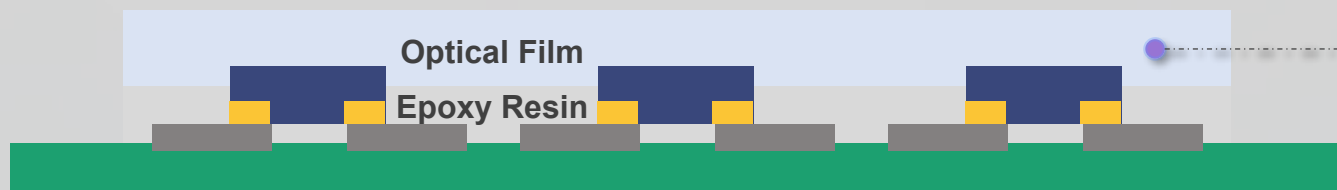
Entry Level
(Public mold LED)

2nd Generation COB LED

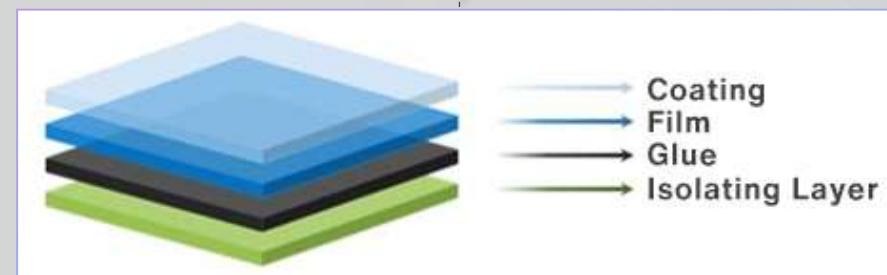
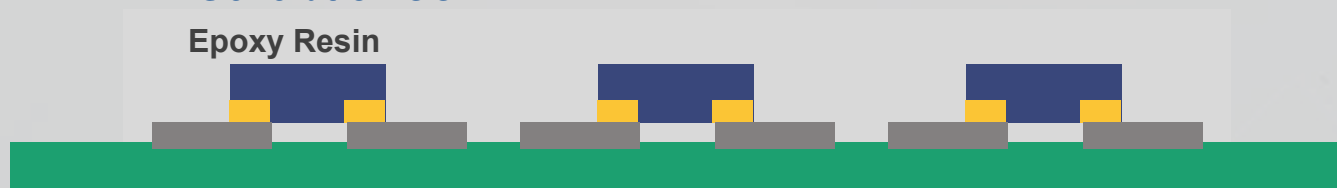
Hikvision 2nd generation COB LED adds an **optical film** on the surface above the epoxy resin protection layer, which helps to optimize the LED's optical performance.

Model	DS-D4209CI-ZWDH(B)	DS-D4212CI-ZWDH(B)
Pixel Configuration	1R1G1B Flip Chip COB	
Pixel Pitch (mm)	0.9	1.25
Resolution (W x H)	640 x 360	480 x 270
Cabinet Size (W x H, mm)	600 x 337.5 (16:9)	
Brightness (nits)	1,000	
Contrast Ratio	14,000 : 1	18,000 : 1
Protection Level	IP65 for front panel	

2nd Generation COB LED



1st Generation COB LED



Optical Film Structure

CGFx Series LED Cabinet

The new CGFx series LED cabinet is a long and thin shape with just 250mm height. Supporting dislocation splicing with a unit of 250mm, it's especially suitable for retail scenario applications.



250mm Slim Size

- Suitable to apply at shop gate-head, replacing traditional light boxes.



Dislocation Splicing

- Support dislocation splicing in units of 250 mm to make creative shapes.

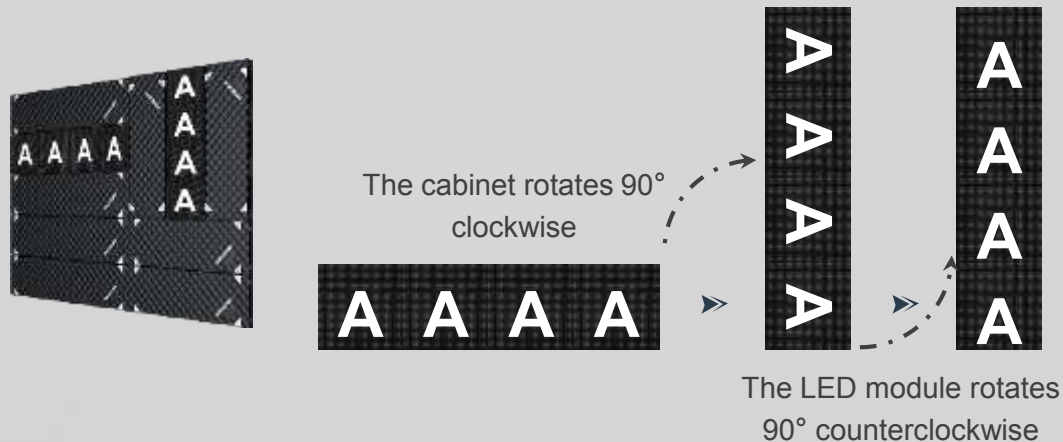


CGFx Series LED Cabinet

Rotatable Splicing

The LED cabinet supports rotating 90° installation, and the LED module supports rotating 90° reversely as well to ensure that the light emitting direction of the LED lamp remains the same.

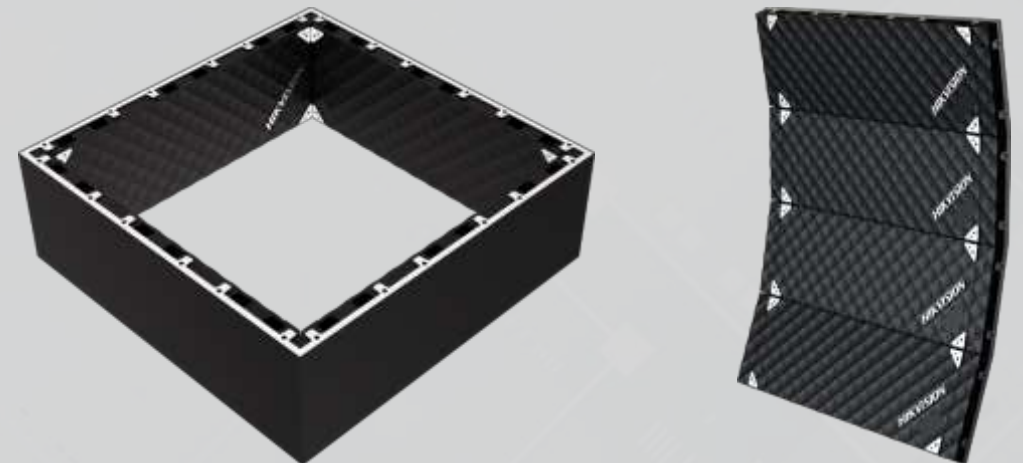
**The light emission of LED lamp is directional. So the LED lamp is allowed to only work at design direction. If rotated, there will be stripes and color aberration.*



Cut-edge Customization

The cabinets supports cut-edge customization for curve splicing:

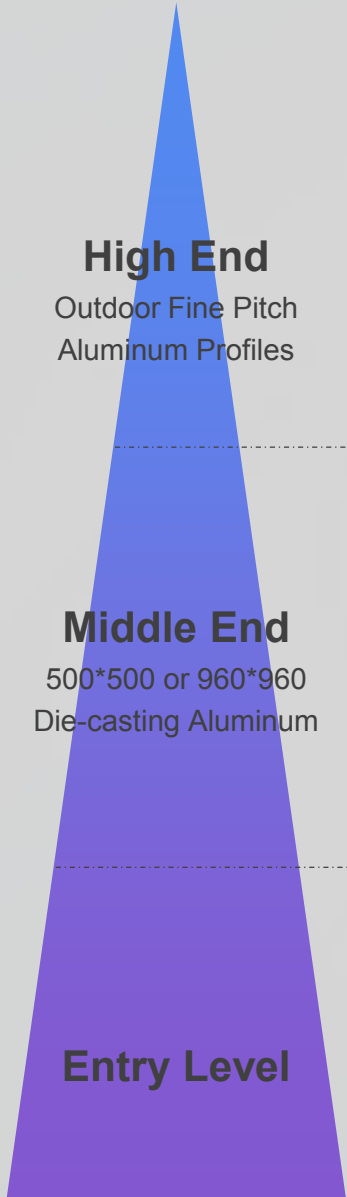
- **Short side:** Supports outer right angle splicing;
- **Long side:** Supports 10 degrees outer arc splicing.



CGFx Series LED Cabinet

The CGFx series will eventually support totally 20 models with 5 pixel pitches and 4 cabinet sizes, and **different models of the same pixel pitch can be mixed together to build a video wall!**

Cabinet Size	P1.5	P1.9	P2.6	P2.9	P3.9
250*750 mm	DS-D4215FI-CGFB	DS-D4219FI-CGFB	DS-D4226FI-CGFB	DS-D4229FI-CGFB	DS-D4239FI-CGFB
250*1,000 mm	DS-D4215FI-CGFC	DS-D4219FI-CGFC	DS-D4226FI-CGFC	DS-D4229FI-CGFC	DS-D4239FI-CGFC
500*500 mm	DS-D4215FI-CGFD	DS-D4219FI-CGFD	DS-D4226FI-CGFD	DS-D4229FI-CGFD	DS-D4239FI-CGFD
500*1,000 mm	DS-D4215FI-CGFF	DS-D4219FI-CGFF	DS-D4226FI-CGFF	DS-D4229FI-CGFF	DS-D4239FI-CGFF



High End

Outdoor Fine Pitch
Aluminum Profiles



GLF
960*960
Energy Saving
Up to 10,000 Nits
P6.6/8/10



CLF
960*960
Energy Saving
Up to 10,000 Nits
P6/8/10



CLFS
500*500
Energy Saving
P2.9/3.9/4.8



CLFL
500*1,000
Energy Saving
P3.9/4.8



BGF
500*500
P2.5

Recommended Application Scenarios



Billboard



Outdoor Advertising



Polar LED



Billboard



Outdoor Advertising

CLF/GLF series is Hikvision high-end and middle-end outdoor LED cabinets which feature high brightness, energy saving and support front and rear maintenance at the same time.



Model	DS-D42xxFO-CLF	DS-D42xxFO-GLF
Pixel Configuration	Copper Wire SMD LED	Gold Wire SMD LED
Pixel Pitch (mm)		6.67, 8, 10
Cabinet Size (W x H, mm)		960 × 960
Brightness (nits)	6,000	9,000/10,000 ★
Refresh Rate (Hz)		3,840
Energy Saving		Up to 50% energy saving ★
Maintenance Mode	Both front and rear maintenance	

CLFS/CLFL series is Hikvision high-end and middle-end outdoor LED cabinets which feature high brightness, energy saving and support front and rear maintenance at the same time.


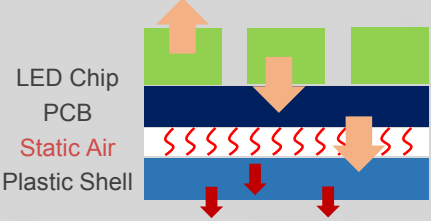

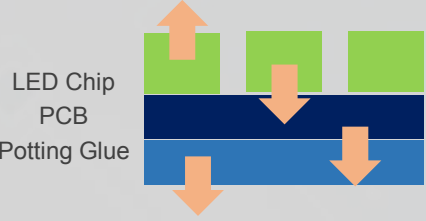

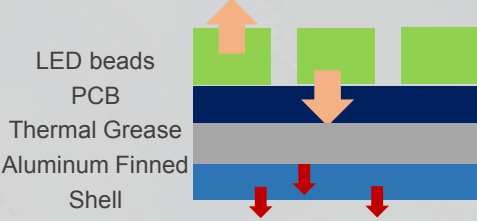


Model	DS-D42xxFO-CLFS	DS-D42xxFO-CLFL
Pixel Configuration	Copper Wire SMD LED	
Pixel Pitch (mm)	2.9, 3.9, 4.8	3.9, 4.8
Cabinet Size (W x H, mm)	500 × 500	500 × 1,000
Brightness (nits)	4,500/5,000	5,000
Refresh Rate (Hz)	3,840	
Energy Saving	Up to 30% energy saving	
Maintenance Mode	Both front and rear maintenance	

* Support customize to be high brightness: 6,000 to 7,000 nits.

Benefits of CLF/GLF/CLFS/CLFL Series

Excellent Heat Dissipation

Structure Type	Traditional Plastic Bottom Shell	Traditional Potting Glue Bottom Shell	Hikvision Aluminum Bottom Shell
Heat Dissipation	  <p>LED Chip PCB Static Air Plastic Shell</p>	  <p>LED Chip PCB Potting Glue</p>	  <p>LED beads PCB Thermal Grease Aluminum Finned Shell</p>
Heat Dissipation Performance	<ul style="list-style-type: none"> - A layer of air is sealed on the back of the module, through which the heat is dissipated - Static air thermal conductivity $\approx 0.023\text{W/m}\cdot\text{k}$ 	<ul style="list-style-type: none"> - Heat is dissipated through the potting glue - Potting glue thermal conductivity $\approx 0.6\text{W/m}\cdot\text{k}$ 	<ul style="list-style-type: none"> - The heat is dissipated through the thermal grease and then the aluminum finned shell. Heat dissipation performance is greatly optimized by the large contact area, ensuring that the LED can work normally at up to 60°C ambient temperature without need of active heat dissipation methods. - Thermal grease heat conductivity $\approx 3.5\text{W/m}\cdot\text{k}$

Energy Saving

	DS-D42A0FO-GLF	DS-D44A0FO
Average Power Consumption	190 W/m ²	300 W/m ²
Brightness	10,000 nits	6,000 nits
Screen Power Consumption	13,680 kWh	21,600 kWh
Air Conditioner Power Consumption	0 kWh	5,733 kWh
Energy Charge per Month <i>*take 0.15USD per kWh as an example</i>	2,052 USD	4,100 USD

Taking a 100 m² LED video wall running 7/24 as an example:

- One-time saving: air conditioner equipment cost around 6K USD
- Screen and air conditioner power cost around 2,048 USD per month

Longer Service Life

	DS-D42A0FO-GLF	DS-D44A0FO
Initial Brightness	10,000 nits	6,000 nits
Brightness after 3 years using	7787 nits	4672 nits
Brightness after 5 years using	6,590 nits	3,954 nits

- Normally, as the product ages, LED brightness decreases by about **8%** per year. For areas near the equator, the ambient brightness during the day is about 5,000 nits. If the LED brightness is lower than this value, the display effect will be poor.
- The initial brightness of GLF series LEDs is 9K/10K nits, and after 5 years of use, it can still guarantee high enough brightness.

CQ(FL) Series- Physical Dimensions

CQ(FL) series LED cabinet is Hikvision's new generation rental LED featuring quick installation & uninstallation, slim and lightweight design, and silent operation. It's suitable for temporary video wall application scenarios like concerts, commercial events, sports events, etc.

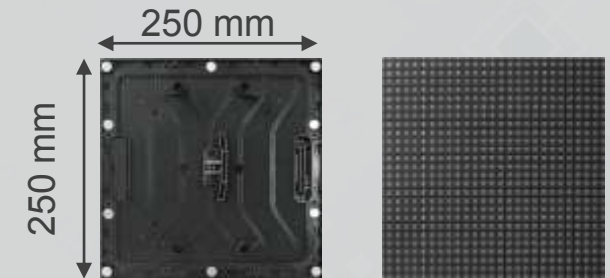
- **Size:** CQ&CQF are 500 × 500 mm size while CQL&CQFL are 500 × 1,000 mm size.



DS-D42xxRI-CQFL DS-D42xxRO-CQL



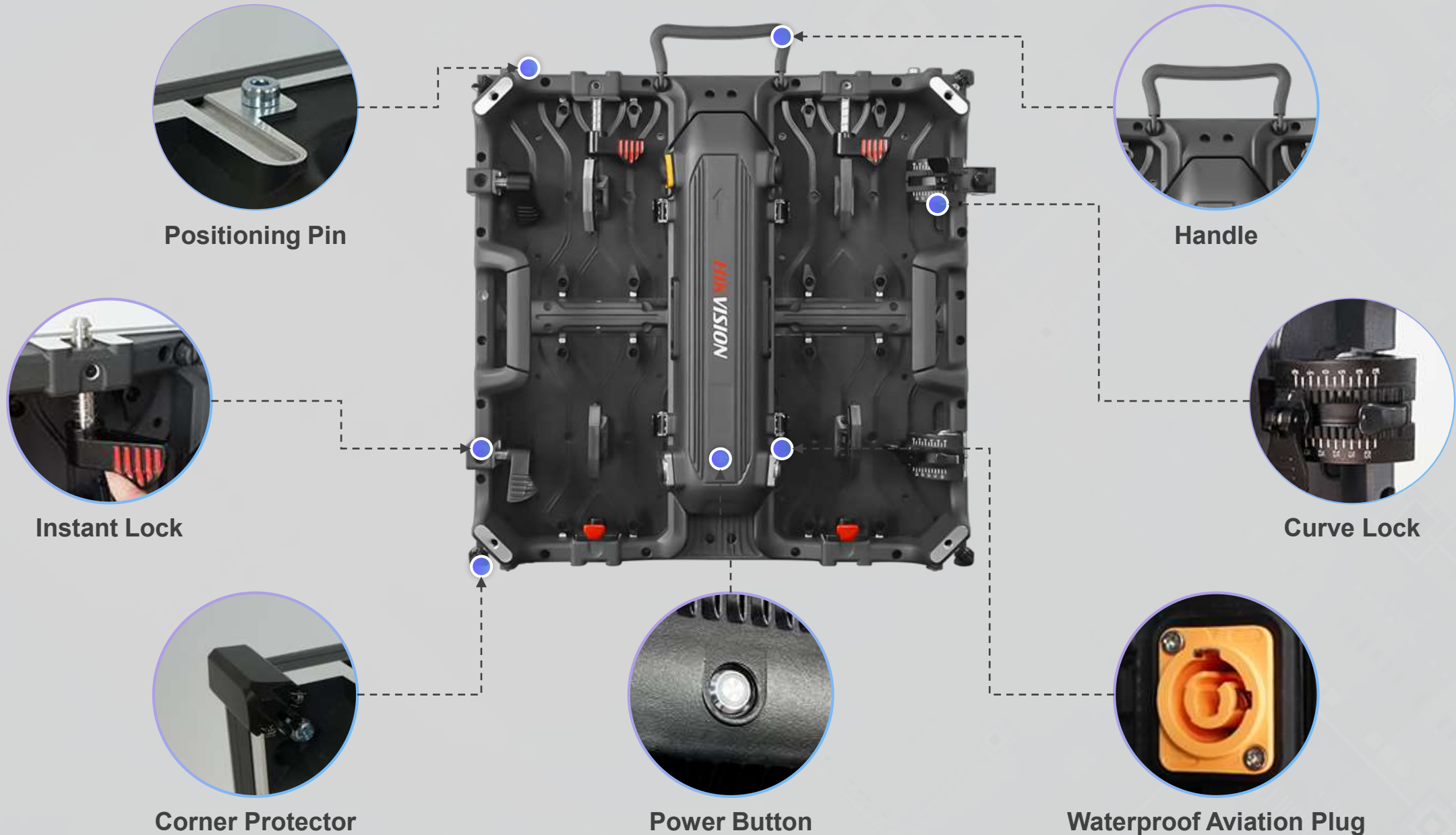
DS-D42xxRI-CQF DS-D42xxRO-CQ

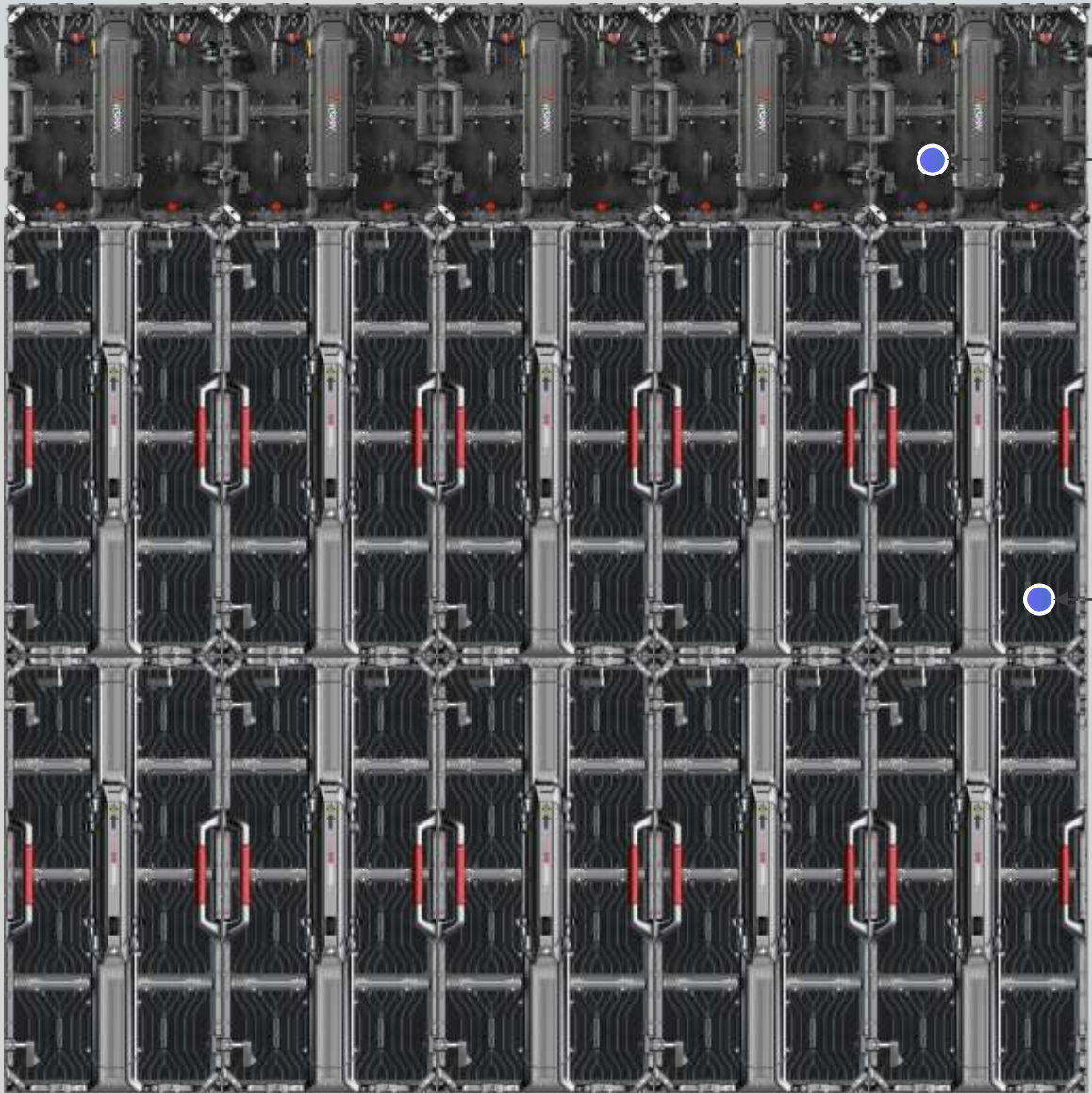


LED Module

CQ(FL) Series- Advanced Industrial Design

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Small Models

- More flexible in splicing size.

Large Models

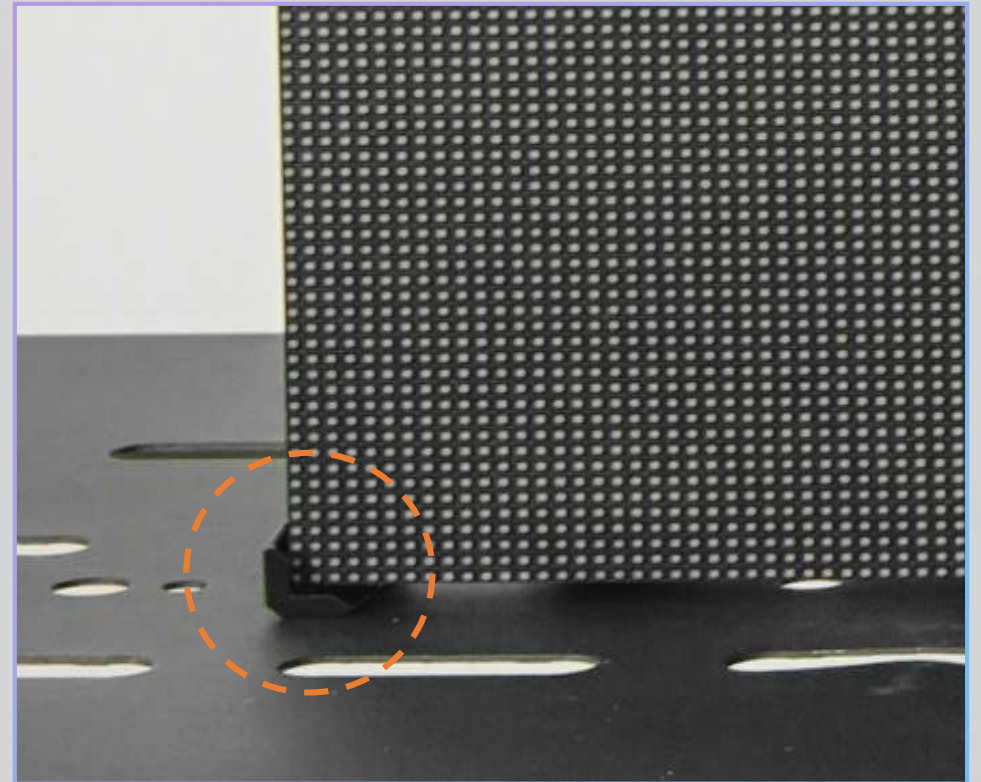
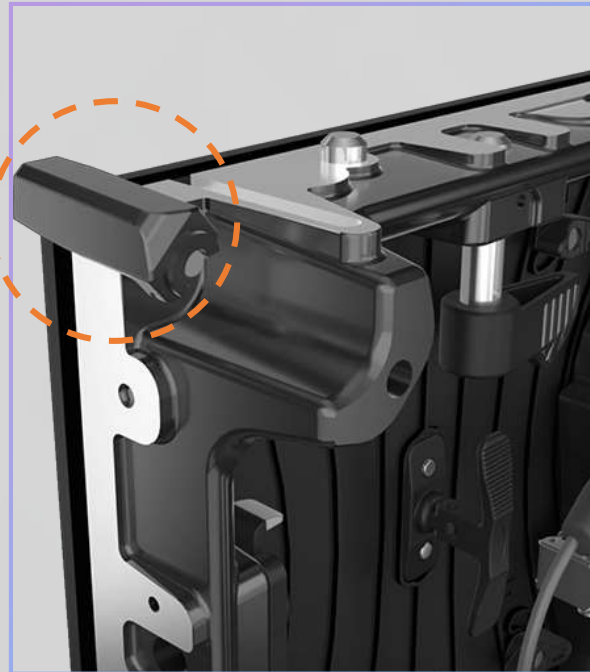
- More cost effective in unit area price.
- Higher installation and uninstallation efficiency.

The 500 × 500 mm size model and the 500 × 1,000 mm size model of the same pixel pitch can be mixed together to splice a video wall.

CQ(FL) Series- Detachable Corner Protector

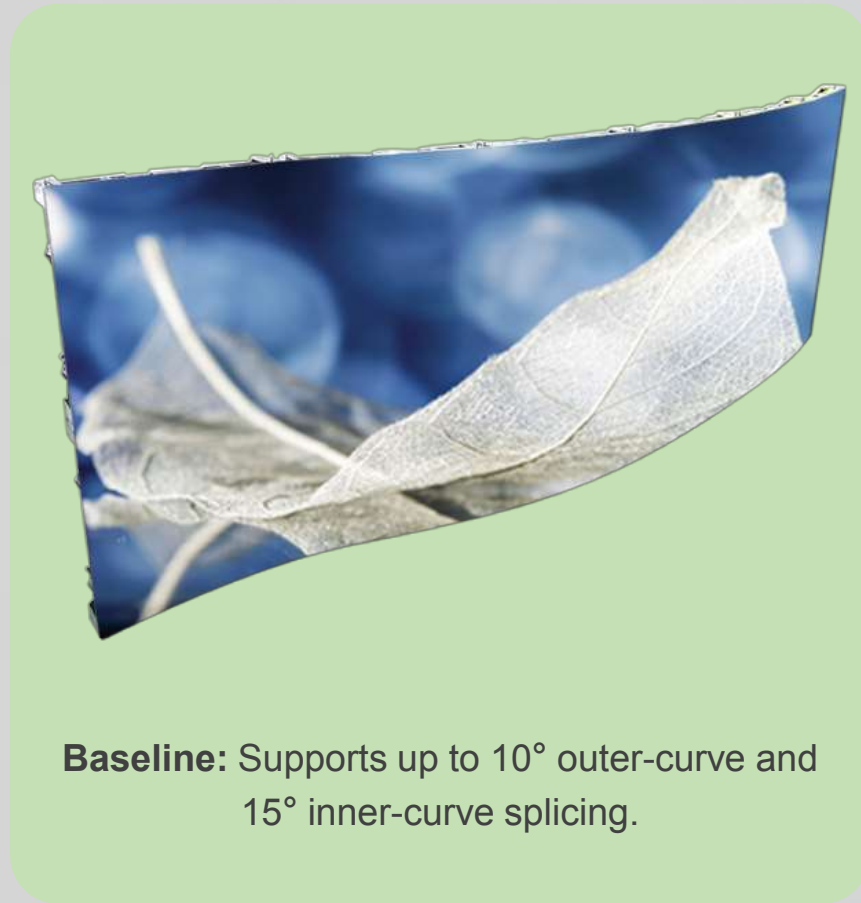
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There are detachable protective covers on the corners of the CQ(FL) cabinets. For the LED cabinets at the bottom left and right sides, they can prevent the cabinet contacting the ground directly, thus protecting the lamp beads.



CQ(FL) Series- Curve Splicing

The curve lock and cut-edge design helps to achieve curve splicing.



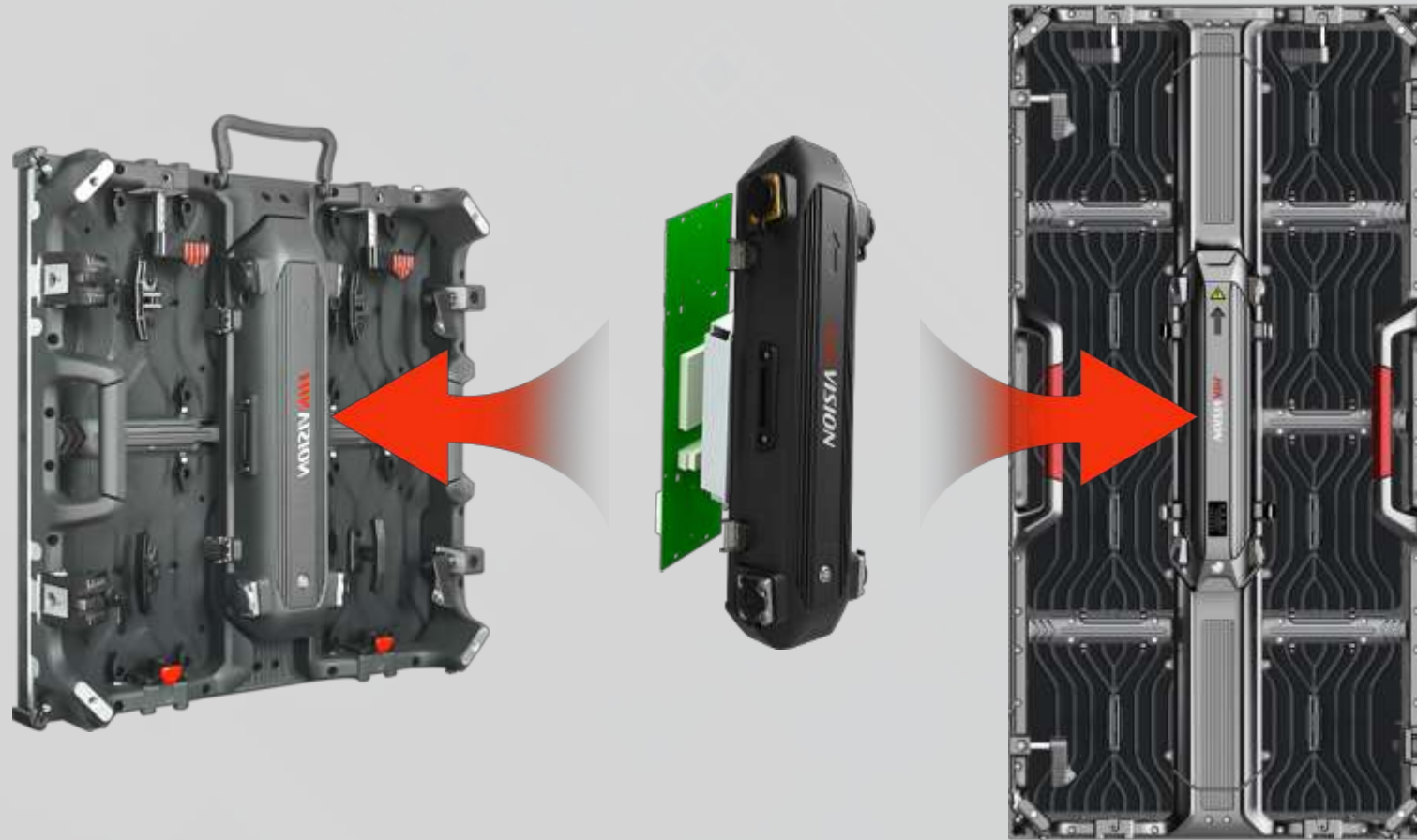
Baseline: Supports up to 10° outer-curve and 15° inner-curve splicing.



Customization: Supports up to 90° outer-right-angle splicing.

CQ(FL) Series- Detachable Mini Power Supply Unit

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Both the 500×500mm and 500×1,000mm cabinets use the same detachable mini power supply unit, which saves installation and project delivery time.

LED Controllers

Hikvision provides advanced LED controllers to work with LED cabinets to achieve excellent display performance:

- **-H Series:** Built-in **Hikvision self-developed** LED system.
- **-N Series:** Built-in **NovaStar** LED system, which is commonly used in the industry;

Series	Model	Product Image	Resolution Capacity	Special Functions	Compatible LED
42-H Series	DS-D42C08-H		5 MP, width ≤ 4,096, height ≤ 4,096	-	1. CWF, CWFH series LED cabinets.
	DS-D42C16-H		10 MP, width ≤ 4,096, height ≤ 4,096	-	
	DS-D42V24-H		13.27 MP, width ≤ 8,192, height ≤ 2,160	1.Support up to 6 video input; 2.Support video wall management functions 3.Support video preview	
42C-N Series	DS-D42C04-N		2.3MP, width ≤ 3,840, height ≤ 3,840		1. All models except CWF and CWFH series.
42B-N Series	DS-D42B01-N		0.65 MP, width ≤ 4,096, height ≤ 4,096	Support built-in information releasing system.	
	DS-D42B02-N		1.3 MP, width ≤ 4,096, height ≤ 4,096		
	DS-D42B04-N		2.3 MP, width ≤ 4,096, height ≤ 4,096		
42V-N Series	DS-D42V04-N		2.3 MP, width ≤ 3,840, height ≤ 1,920	Support built-in video wall management function	
	DS-D42V06-N		3.9 MP, width ≤ 10,240, height ≤ 8,192		
	DS-D42V10-N		6.5 MP, width ≤ 10,240, height ≤ 8,192		
	DS-D42V16-N		10.4 MP, width ≤ 16,384, height ≤ 8,192		

There is a major upgrade on the –H series LED controllers' accessory debugging software. Some easy-to-use functions, and active error detection functions are added.

Error Pre-warning

- To detect exceptions* and give warning before actual display error occurs on the screen.



Smart Troubleshooting

- The software can fix some trouble automatically.
- For complicated errors, the software will give troubleshooting guidance.



Configuration Guidance

- Show step-by-step screen configuration guidance.



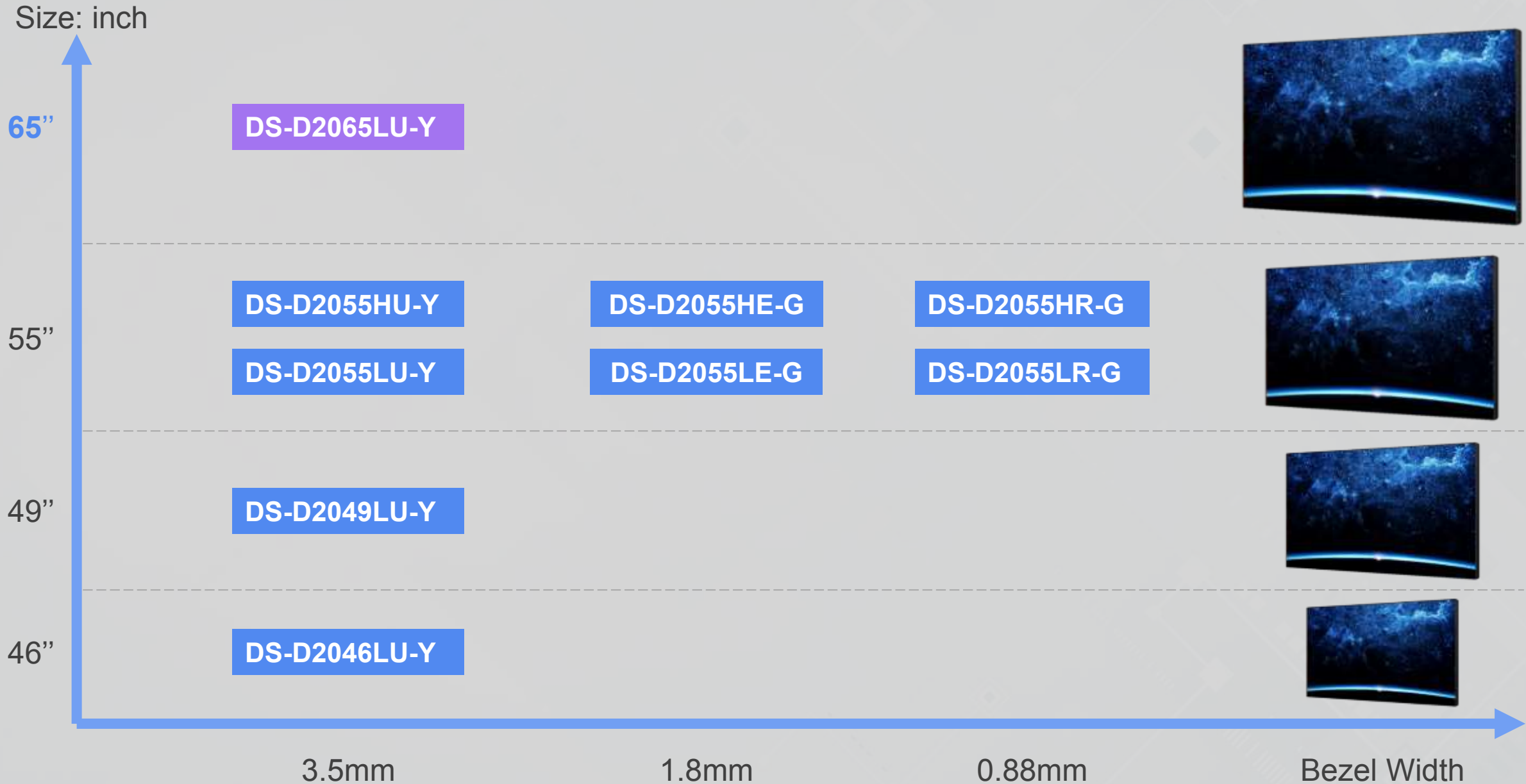
Video Cloud Classroom

- Provide guidance video for basic operations and debugging.



**The detectable exceptions include: Inter-component communication timeout, LED controller exception, signal source exception, environment parameters abnormal, receiving card network parameters abnormal, cabinet parameters abnormal, component abnormal restarting.*

Product Map



LCD- Mirror Series LCD Highlight Features

Self-splicing: Max 30 pcs splicing



3 Display Modes



Monitoring Mode

Enhanced image restoration, frame rate and gray scale.



Movie Mode

Improve color saturation, image contrast.



Presentation Mode

Better display consistency, text clarity, text edge smoothness.

Precise Color Calibration

Compare it with standard display data to generate the unique calibration algorithm.

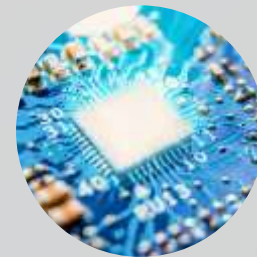
After each pixel of the LCD being calibrated point by point, the image has consistent color and brightness.



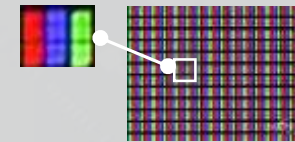
Take test pictures with industrial cameras before LCD leaves the factory.



Use the unique image analysis system to analyze each pixel of the picture



Embed the calibration algorithm into the image processing chip of the LCD.





4K UHD display, perfect for monitoring scenarios

As 5MP, 8MP or even higher resolution cameras becoming more and more popular, the conventional single-screen 1,080P LCD can no longer meet the needs of such high-definition security monitoring. The 65" LCD can reach 4K resolution for single screen, suitable for displaying large-scale images.

Higher Resolution



9 x 46" 1,080p LCD



4x65" 4K LCD

4 x 65" model has 32 million pixels and diagonal length just 130 inch, while 9 x 46 " model has just 18 million pixels yet diagonal length 138 inch.

Clearer split-screen clarity



1,080p LCD



4K LCD

For 1,080P LCD divided into 4 divisions, each division has only 0.5 million pixels, which is a waste of the general 2MP IP camera. While for 4K LCD, each division has 2 million pixels, which is **consistent with the general 2MP IP camera, achieving point-to-point full display**, without losing any details.

Overview

Note: Wi-Fi 6 and GMS functions shall not be promoted in public



Parameters	D5B Series	D5C Series
Memory & Storage	4GB + 64GB	8GB + 128GB
Projection	Cable + Wi-Fi + DLNA	Cable + Wi-Fi + NFC + DLNA
Android Version	11.0	12.0 (support OTA to Android 13)
UI	4K@30 Hz UI	4K@60 Hz UI (OS 3.0)
Camera and Mic	8MP camera and 6 microphone-array	8MP camera and 8 microphone-array
Wi-Fi	Wi-Fi 5	Wi-Fi 6*
Interface	HDMI In × 2, HDMI Out × 1, Type-C × 1, Line In × 1, Line Out × 1, RS-232 × 1, Touch-USB × 1, USB 3.0 × 4	HDMI In × 3, VGA In x 1, DP In x 1 , Audio In x 1, HDMI Out x 1, Audio Out x 1, SPDIF Out x 1, Touch-USB × 3 , RS232 × 1, USB 3.0 × 4, USB 2.0 × 1, Type-C x 2
GMS	Support*	Support*

D5C Upgrade Highlights

Hikvision Unique Back Plate

Adopt self-developed back plate for the first time;
Guaranteed quality



Convenient for external OEMs



Strong R&D strength



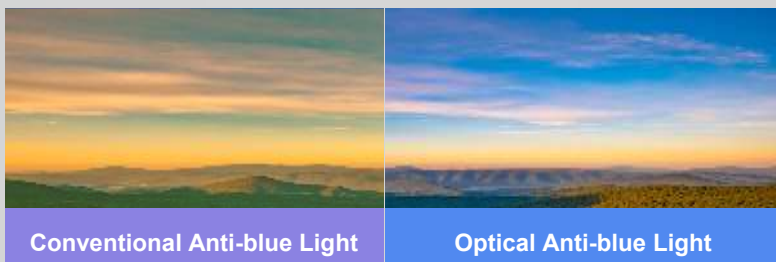
Guaranteed quality



Fast delivery

Optical Anti-Blue Light

Preventing the harmful blue light with the hardware
protecting eyes without color cast



Multi-Window Mode

Hikvision D5C series IFP has multiple screen modes
enabling multi-tasking

NEW



Split-screen Mode

Allowing 2 apps
displaying
at the same time



Multi-window Mode

Allowing up to 4
windows displaying at
the same time

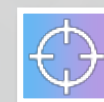
Strong GPU Performance

Providing smooth and quality render of 3D graphics,
achieving best user experience

ANTUTU Benchmark	DS-D5BxxRB/C DS-D5BxxRB/D	DS-D5CxxRB/A DS-D5CxxRB/B	Competitors
android version	11	12	11 (32bit)
3D game performance (GPU)	10336	91913	44308 (Off-screen rendering 1920x1080)

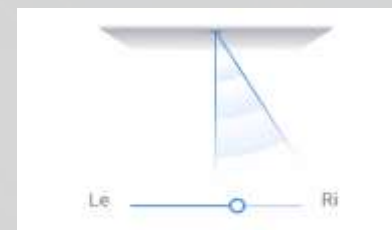


8MP resolution built-in camera and 8-microphone array



Acoustic Baffle

Can filter the external noises outside the baffle. (below image is top view)



Personal Mode

Only pick up the sound within the 30° range, the direction is adjustable



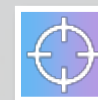
Meeting Mode

Pick up the sound within the 60° range, the direction is fixed



Auto Framing

Adjust view automatically to show all participants on the screen.



Speaker Tracking

Zoom automatically to show the current speaker.



Digital White Board

Insert images and videos

Drawing: support 3 types of brushes, and custom color/thickness

Insert tables and flow charts

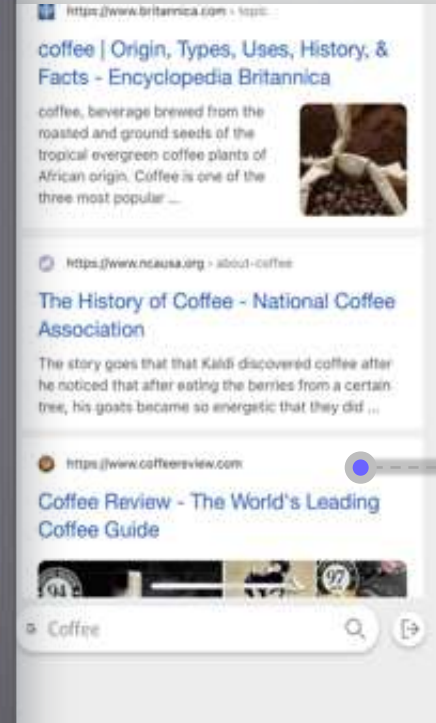
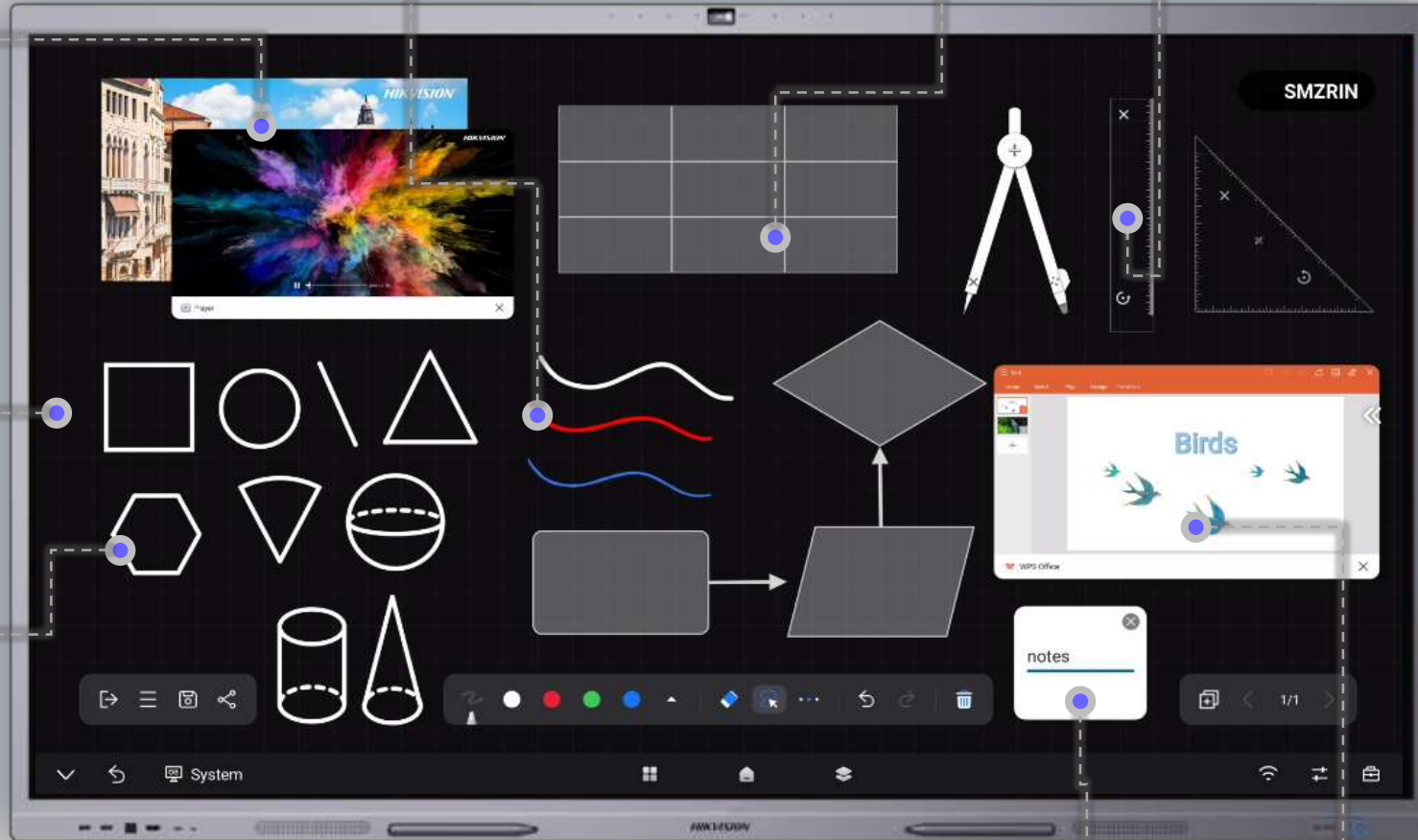
Insert **compass**, **ruler**, **NEW** **triangular ruler** and **protractor**

Note: The ruler function requires OTA to 3.1.0

Custom background color/image

NEW
Insert **10** shapes: circle, rectangle, triangle, line, **hexagon**, **fan**, **sphere**, **cylinder**, and **cone**

Note: The shape function requires OTA to 3.1.0



Built-in browser support import image to the canvas

NEW
Insert **PPT**, **PDF**, **word** and **excel**

Note: Inserting file function requires OTA to 3.1.0

Insert **notes**



45-points IR touch

- Allows multiple people to write at the same time.

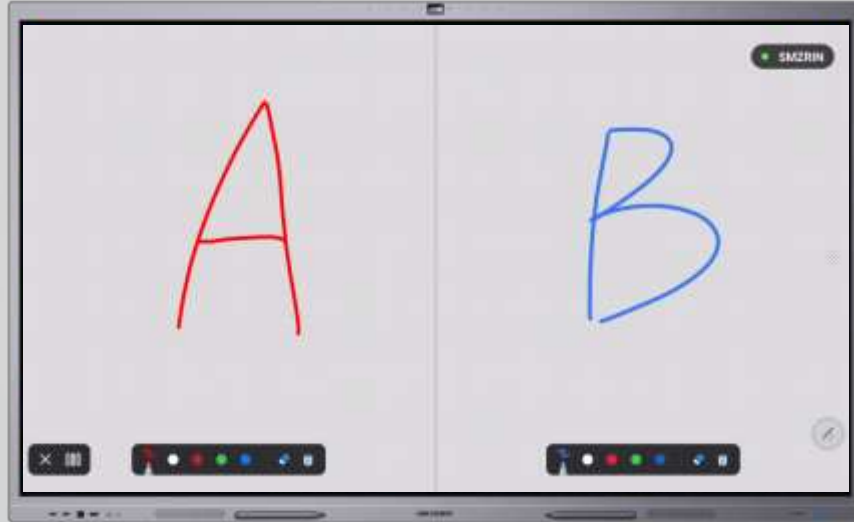


Mohs level 7 hardness glass

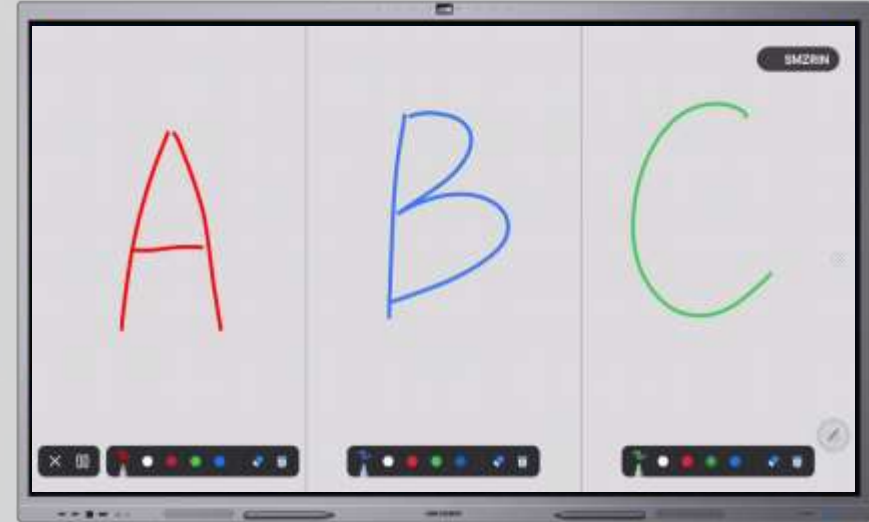
- Not easy to leave scratches and finger prints.

Split-screen Writing Mode

Support split-screen writing enabling in-class collaboration;
2 to 3 students can write on the individual zones without bothering each other

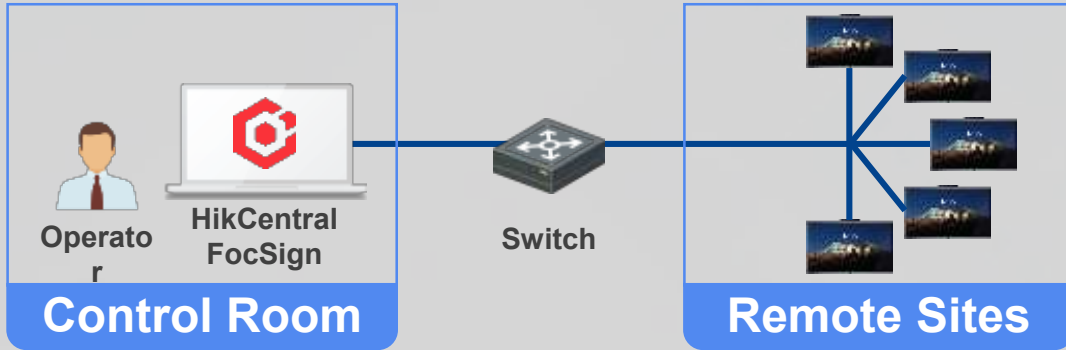


2-split screen
writing mode



3-split screen
writing mode

Interactive Flat Panel- Central Management



Remote Batch Power Off

- Remotely power off the terminals.
- **Energy saving**



Remote Batch App Installation

- Remotely distribute installation package and install the App.
- **Easy maintenance**



Remote Batch Firmware Upgrade







- Remotely upgrade the terminals' firmware.
- **Easy maintenance**



Remote Batch Message

- Remote manual messages.
- **Enhance security**

Product Showcase

Model	DS-D5C65RB/A	DS-D5C75RB/A	DS-D5C86RB/A	DS-D5C65RB/B	DS-D5C75RB/B	DS-D5C86RB/B
Image						
Diagonal Size	65"	75"	86"	65"	75"	86"
Resolution	3,840 × 2,160 @60 Hz					
Contrast Ratio	4,000:1					
Brightness	400 nits					
Response Time	8ms					
Touch Response Time	< 8ms					
System	Android 12.0 (support upgrade to Android 13) <i>*The upgrade is estimated to be available around July, 2023; The OTA upgrading will clear all user data.</i>					
CPU	Quad-core Cortex-A76 and quad-core Cortex-A55					
RAM&ROM	8 + 128 GB					
Projection	Cable (HDMI + Type-C), Wi-Fi, AirPlay, NFC, DLNA, Projection Dongle					
Interfaces	HDMI In × 3, VGA In x 1, DP In x 1, Audio In x 1, HDMI Out x 1, Audio Out x 1, SPDIF Out x1, TOUCH-USB × 3, RS232 × 1, USB 3.0 × 4, USB 2.0 × 1, Type-C x 2					
Built-in Loudspeaker	Built-in 2 × 15 W+25W loudspeaker					
IR Touch Points	45					
Built-in Camera	No			8MP Built-in Camera		
Built-in Microphone	No			8 Microphone Array		

Comparison Between /A and /B Series



DS-D5CxxRB/A

(Without built-in camera and microphone)



DS-D5CxxRB/B



Built-in 8MP Camera

- **Resolution:** 4K
- **Function:** Smart switch between Android and OPS
- **FoV:** 120 °(diagonal), 110°(horizontal), 75°(vertical)
- **Distortion:** ≤2.5%



Built-in 8-microphone Array

- **Specification:** Omni-directional 8-microphone array
- **Function:** Echo reduction and smart noise-cancellation
- **Sound-pickup Distance:** 12m
- **Sampling Rate:** 32K
- **Mic Sampling Rate:** 16bit

Product Showcase

Model	DS-D5B65RB/C	DS-D5B75RB/C	DS-D5B86RB/C	DS-D5B65RB/D	DS-D5B75RB/D	DS-D5B86RB/D
Image						
Diagonal Size	65"	75"	86"	65"	75"	86"
Resolution	3,840 × 2,160 @60 Hz					
Contrast Ratio	4,000:1					
Brightness	350 nits					
Response Time	6ms					
Touch Response Time	< 12ms					
System	Android 11.0					
CPU	A72*2 + A53*4, 1.8 GHz					
RAM&ROM	4 + 64 GB					
Projection	Cable (HDMI + Type-C), Wi-Fi, AirPlay					
Interfaces	HDMI In * 2, HDMI Out * 1, Type-C *1, Line In * 1, Line Out *1, RS-232 * 1, Touch-USB * 1, RJ45 (100 Mbps) * 2, USB 3.0 * 4					
Built-in Loudspeaker	2 * 16W					
IR Touch Points	45					
Built-in Camera	No			8MP Built-in Camera		
Built-in Microphone	No			6 Microphone Array		

Comparison Between /A and /B Series



DS-D5BxxRB/C

(Without built-in camera and microphone)



Built-in 6-array Microphone

DS-D5BxxRB/D



Built-in 8MP Camera

- **Resolution:** 4K
- **Function:** Smart switch between Android and OPS
- **FoV:** 120 °(diagonal), 110°(horizontal), 66°(vertical)
- **Distortion:** ≤6%



Built-in 6-array Microphone

- **Specification:** Omni-directional 6-array layout
- **Function:** Echo reduction and smart noise-cancellation
- **Sound-pickup Distance:** 8m
- **Sampling Rate:** 32K
- **Mic Sampling Rate:** 16bit

Accessories

Bracket



DS-D5ABKY2-B

- Suitable for 86" model
- Silver gray, SPCC high quality steel plate
- Sheet metal spraying



DS-D5ABKY2-S

- Suitable for 65/75" model
- Silver gray, SPCC high quality steel plate
- Sheet metal spraying

Note: wall-mounted bracket is included in the package by default.

OPS



DS-D5AC11T5-8S2

- 11th-generation Intel® Core i5 3.2 GHz
- Memory 8GB, SSD 256GB
- Intel® Iris® Xe Graphics, support 4K resolution
- Support M.2 nvme system disk quick start
- Support 3 USB 3.0 ports, 3 USB2.0 ports, 1 HDMI port, 1 DP interface, 1 Type-C port
- Support dual channel memory
- Support Wi-Fi IEEE 802.11 a/b/g/n/ac
- Built-in WIN 10 SAC



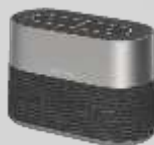
DS-D5AC11T7-16S5

- 11th-generation Intel® Core i7 2.8 GHz
- Memory 16GB, SSD 512GB
- Intel® Iris® Xe Graphics, support 4K resolution
- Support M.2 nvme system disk quick start
- Support 3 USB 3.0 ports, 3 USB2.0 ports, 1 HDMI port, 1 DP interface, 1 Type-C port
- Support dual channel memory
- Support Wi-Fi IEEE 802.11 a/b/g/n/ac
- Built-in WIN 10 SAC

Omnidirectional Microphone



DS-UAC-S1V (Wired)



DS-UAC-S1 (Wireless)

- Adopts 8-mic array, picking up 360° clear sound with 5 meters range
- Adopts the HD speaker
- Supports steady and transient smart noise reduction, echo and squeal suppression, anti-reverberation to enhance speech quality and offer audio in high quality
- Compatible with leading online conferencing platform

Digital Signage- Product Family

- 700nits
- 4K
- HDMI input



DS-D6043UH



DS-D6055UH

- 500nits
- 4K
- HDMI input



DS-D6043UL-B/S



DS-D6043UN-B



DS-D6055UN-B



DS-D6055UL-B/S



DS-D6065UN



DS-D6075UN



DS-D6086UN

- ≤350nits
- 1080P
- HDMI input



DS-D6022FN-B



DS-D6032FN-B



DS-D60E-B

Note: DS-D6022FN-B does not support HDMI input.

HikCentral Professional Mobile App supports video wall control. Operators can control the big screen with ease.

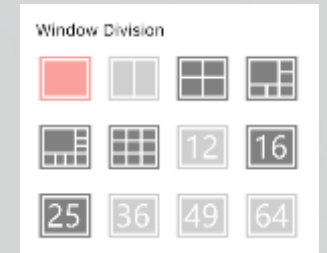


Source:

- 1 - Preview the signal sources' snapshot here.
- Directly drag the source to the upper area to display it on the video wall.
- Switch between different views.

Window Division:

- 2 - Divide one single screen into max. 64 divisions.



Tool Bar:

- 3 - Users can conduct operations like start/stop echo, refresh resource snapshot, close all windows here.

Window Adjustment:

- 4 - Users can drag to adjust the size of the currently selected window division to do splicing and roaming.
- The resources can be previewed in the window division, which is called echo.

C10T Series Video Wall Controller

Hikvision C10T series video wall controller is a new generation central video management terminal that combines the function of LED controller and video wall management. It adopts modular design. Users can insert function boards to realize custom requirements.

DS-C10T-S7



DS-C10T-S16



DS-C10T-S18



DS-C10T-S21



DS-C10T-S40 / DS-C10T-S40T



Rich Input Interfaces



3G-SDI



DP 1.1



DP 1.2



DVI



IPC



HDMI 1.4



HDMI 2.0



CVBS



VGA

- Up to 60 × 4K or 120 × 2K inputs.

Powerful Output Interfaces



DVI



HDMI 1.4



HDMI 2.0

LED Sending Board

- Up to 13MP per LED sending board, and up to 16 boards totally.

MVR Board

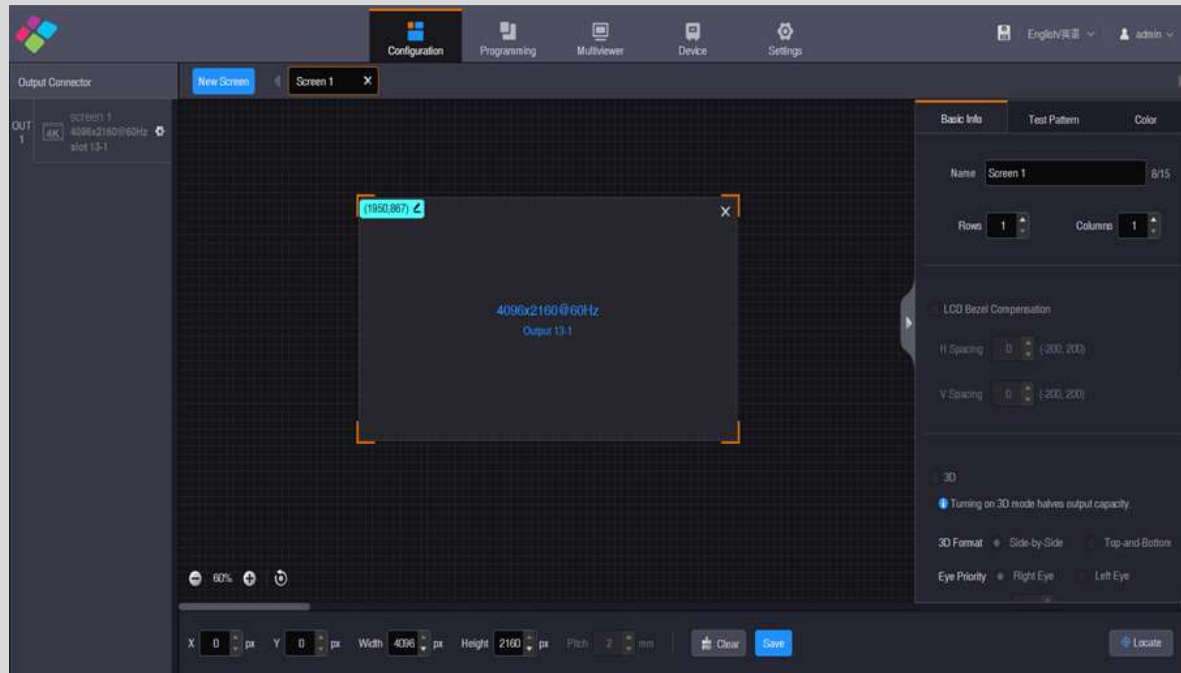
- To preview the signal source and video wall status through this board.

6 Types of Chassis

- Chassis of 7U/16U/18U/21U/40U available.



C10T supports direct **web control**. No need to deploy servers or purchase any license, just with a web browser, multiple users can launch and operator the video wall easily.



Web Portal



Convenient Web Control

Convenient and free-of-cost web video wall control



Multi-user Access

Supports up to **200** users online and **50** users operating simultaneous



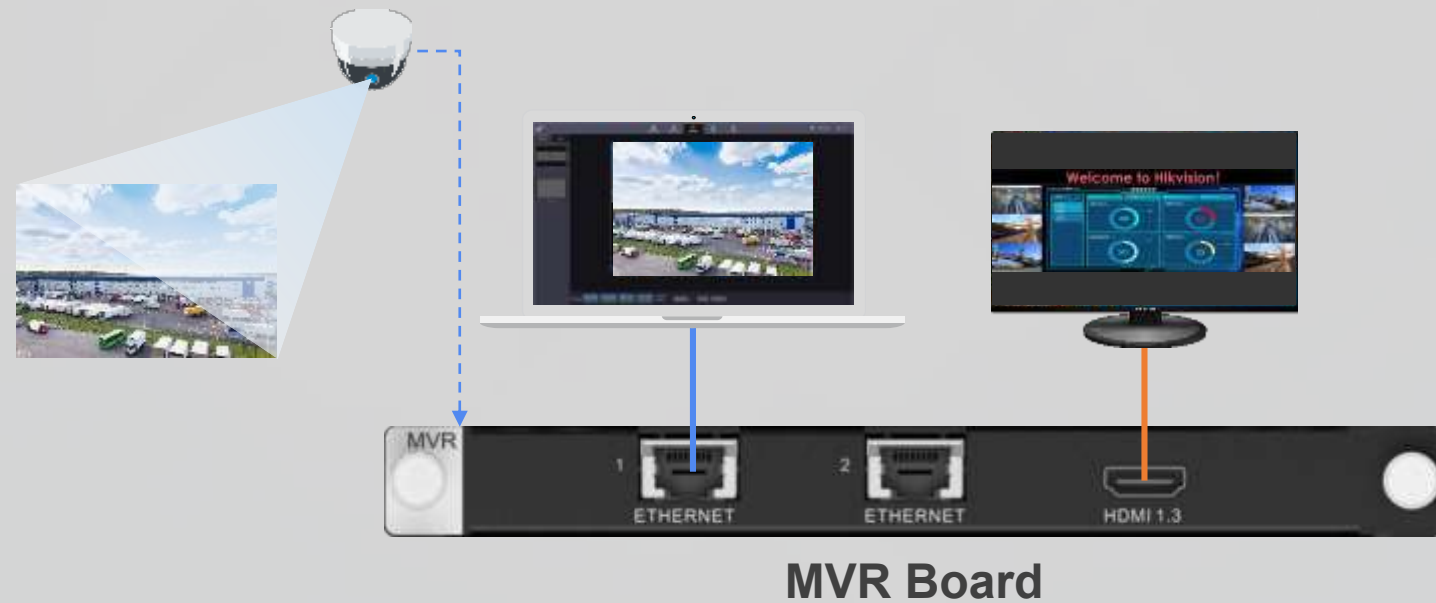
Visualized Management

Input and output signal echo to simplify management operation

C10T: Pre-monitoring and Echo

With MVR board, users can keep a breast of the situation of the video wall and signal sources:

- Pre-monitoring: preview the resource image before they are displayed on the video wall in actual.
- Echo: live view the whole video wall playing content.the resources (called pre-monitoring), or live view the video wall's display content (called echo) on PCs/monitors.



C10T: LED Controlling Board

LED Controlling Board



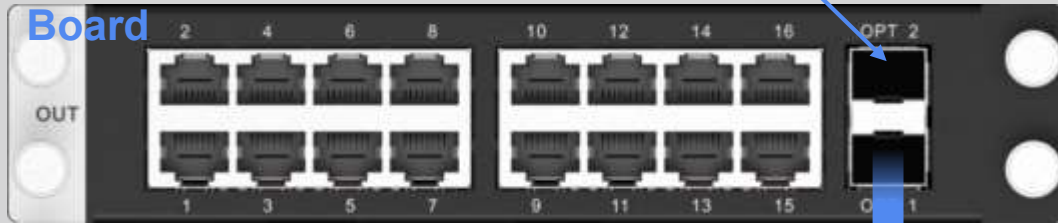
Output Board



LED Controller

LED Controlling Board

Optical Ports



Network Cables
(Max. 100 meters)



Optical Fiber
(Max. 10 km)



Network Cables



The optical ports can output can work as the duplicate or redundancy of the RJ45 ports; and also, its transmission distance is greatly raised:

- **OPT1**: duplicate or redundancy of RJ45 port 1 to 8
- **OPT2**: duplicate or redundancy of RJ45 port 9 to 16

Good Synchronization Performance

Bad synchronization will cause tearing



Low Delay

delay ≤ 3 frames



Adequate Number of Layers

Each output card supports $16 \times 2K$ layers, and the whole device supports up to 160 layers.



Powerful Scenario Loop

Supports up to 2,000 scenarios looping, and supports fade-in and fade-out switching



Built-in Touch Screen

Users can do pre-monitoring and echo, as well as basic operations on the touch screen.



C10T Series Video Wall Controller

Input & Output Board

Type	Model	Interface	Resolution Capacity
Input Board	DS-C10T-04DI	4 × DVI	2,048 × 1,152@60Hz
	DS-C10T-04HI	2 × HDMI 1.3 + 2 × HDMI 1.4a	2,048 × 1,152@60Hz
	DS-C10T-HI/4K	1 × HDMI 2.0 + 1 × DP1.2 (Supports max. 1 port working at a time; the 2 ports cannot work together)	4,096 × 2,160@60Hz
	DS-C10T-04SDI	2 × 3G-SDI	1,920 × 1,080@60Hz
	DS-C10T-04CVI	2 × VGA + 2 × CVBS	1,920 × 1,080@60Hz
	DS-C10T-04VI	4 × VGA	1,920 × 1,080@60Hz
	DS-C10T-02DPI	2 × DP1.1	3,840 × 1,080@60Hz or 3,840 × 2,160@30Hz
	DS-C10T-01HI/4K	1 × HDMI2.0	3,840 × 2,160@60Hz
	DS-C10T-02HI/4K	2 × HDMI2.0	3,840 × 2,160@60Hz
Output Board	DS-C10T-04DO	4 × DVI	2,048 × 1,152@60Hz
	DS-C10T-04HO	4 × HDMI1.4	2,048 × 1,152@60Hz
	DS-C10T-HO/4K	2 × HDMI2.0 (The 2 ports can just output the same video content, i.e., port 2 is port 1's copy)	4,096 × 2,160@60Hz

Decoding Board

Model	Decoding Capacity
DS-C10T-SIU	(4 × 3,840 × 2,160) or (16 × 1,920 × 1,080)

LED Controlling Board

Model	Resolution Capacity	Output Port
DS-C10T-L104	Total Pixel ≤ 10.4MP, Width ≤ 10,240, Height ≤ 10,240	16 × RJ45 Ports 2 × Optical Ports
DS-C10T-L130	Total Pixel ≤ 13MP, Width ≤ 10,752, Height ≤ 10,752	16 × RJ45 Ports

MVR Board

Model	Port
DS-C10T-P	2 × RJ45 + 1 × HDMI