

PRODUCT CATALOGUE

2025



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 **SmartChip**
Technologies

BIGGER BRIGHTER BETTER



Company profile

Smart Chip Technologies is a South African-based technology company specializing in advanced LED display systems and digital visual communication solutions. We design, supply, and integrate high-performance LED screens for indoor and outdoor applications from large-format advertising billboards and stage displays to corporate, retail, and smart industrial environments.

Driven by innovation and quality, Smart Chip Technologies partners with a leading global manufacturer as their officially appointed distributor in Africa to offer cutting-edge display products featuring ultra-high refresh rates, exceptional brightness, and superior colour accuracy. Our product range includes fixed and rental LED panels, transparent and flexible displays, ICON interactive screens, and customized digital signage solutions tailored to client needs.

With a focus on reliability, service excellence, and technical expertise, Smart Chip Technologies delivers turnkey solutions encompassing consultation, installation, maintenance, and after-sales support ensuring every project achieves maximum visual impact and return on investment.

BIGGER BRIGHTER BETTER

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CATALOGUE 2025

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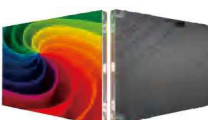


Product Catalogue



A60

16:9 commercial display Pg.3



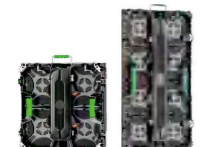
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A12

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F500

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K500

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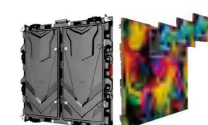
T500

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TD

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AF90

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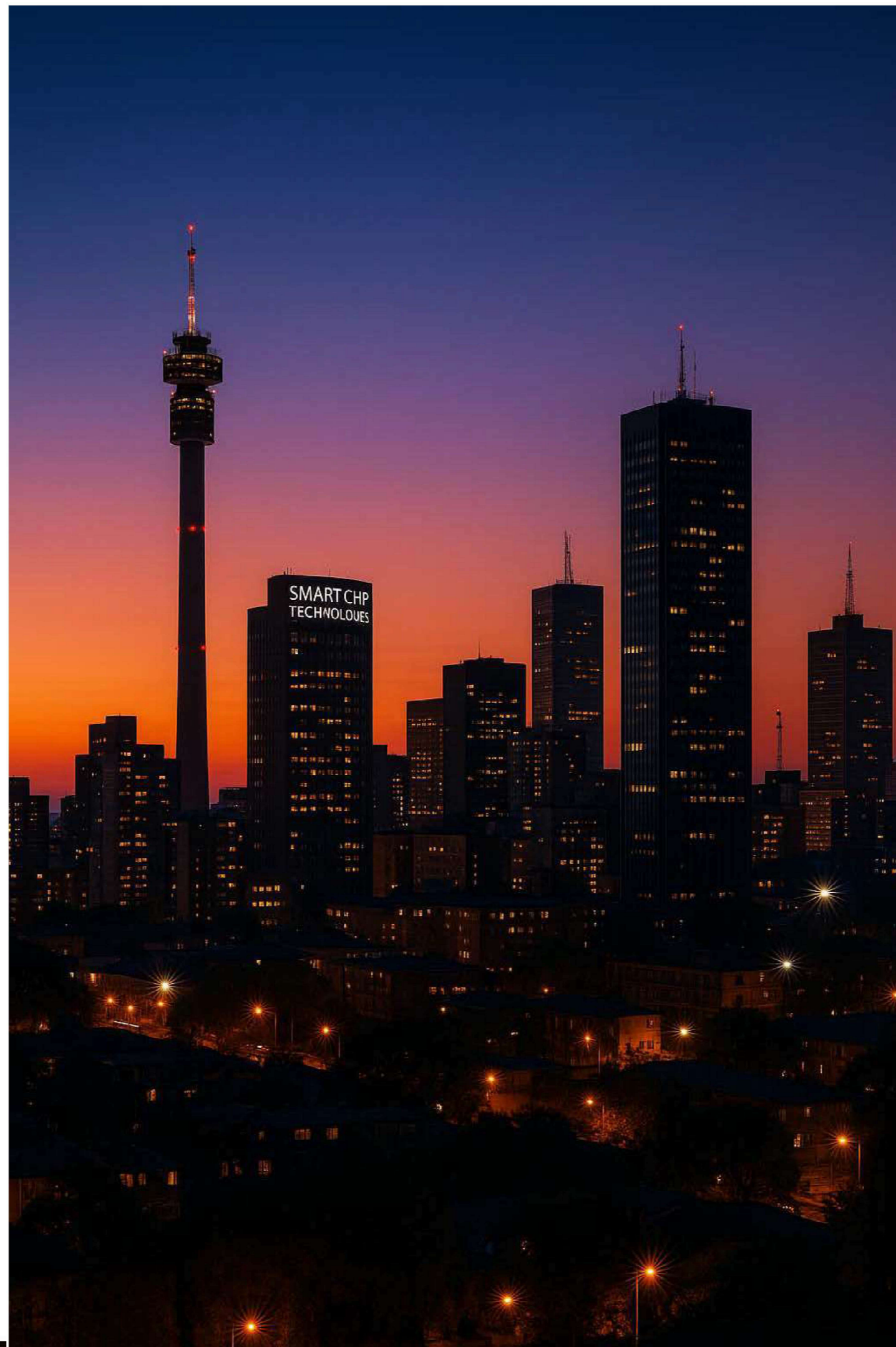
AS

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APC

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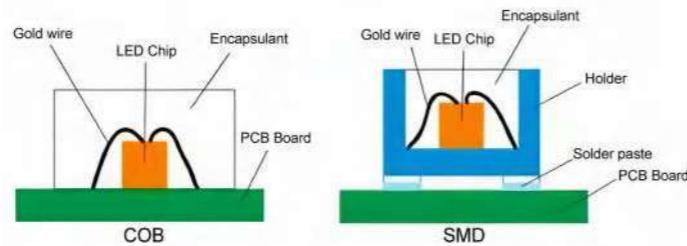


DF

Interactive LED Floor Screen Pg.45

A60 SMD/COB SERIES Narrow Pixel Pitch Indoor Led Wall

P1.25 / P1.56 / P1.875
Featuring quick and effortless installation, offer exceptional image quality, making them the ideal choice for a wide range of applications, including: Auditoriums, Conference Rooms, Banquet Halls, Security Monitoring Centers, Studios
Engineered for precision and reliability, these solutions combine seamless setup with superior visual performance, ensuring an outstanding viewing experience in professional environments.



COB (Chip-on-Board) Features

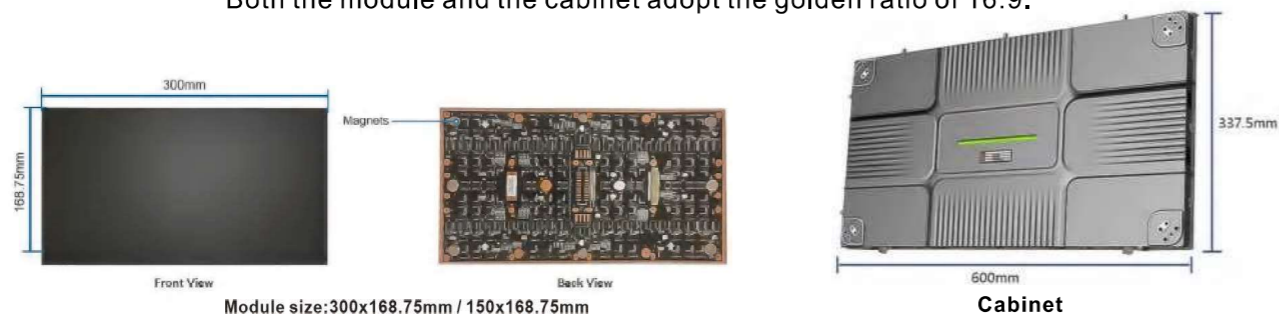
Packaging: Direct chip-to-board, skips lamp bead step, reduces processes.
Display: Surface light source, smooth viewing, possible side-view color issues
Maintenance: High protection, no on-site repair, requires factory service.

SMD (Surface Mount Device) Features

Packaging: Traditional surface-mount with individual lamp beads.
Display: Bright colors, wide viewing angles, versatile for most uses.
Maintenance: Easy on-site repair with modular design.

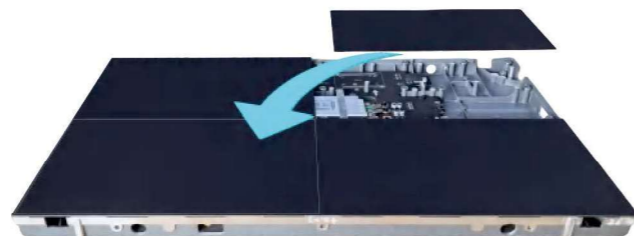
16:9 Golden Ratio Led Panel

Both the module and the cabinet adopt the golden ratio of 16:9.



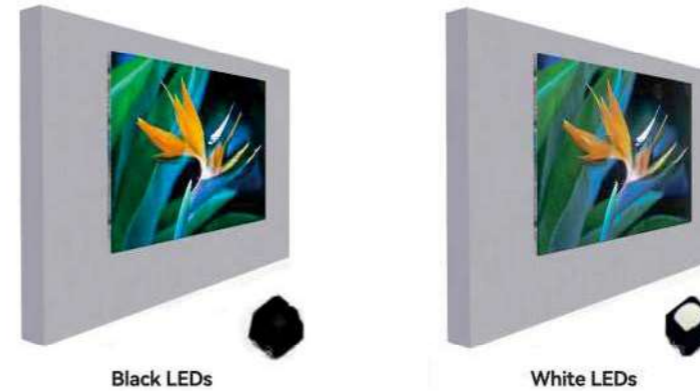
Intelligent Calibration

Screen work right after replace a fresh module, free cable design module makes maintenance faster, easier and convenient



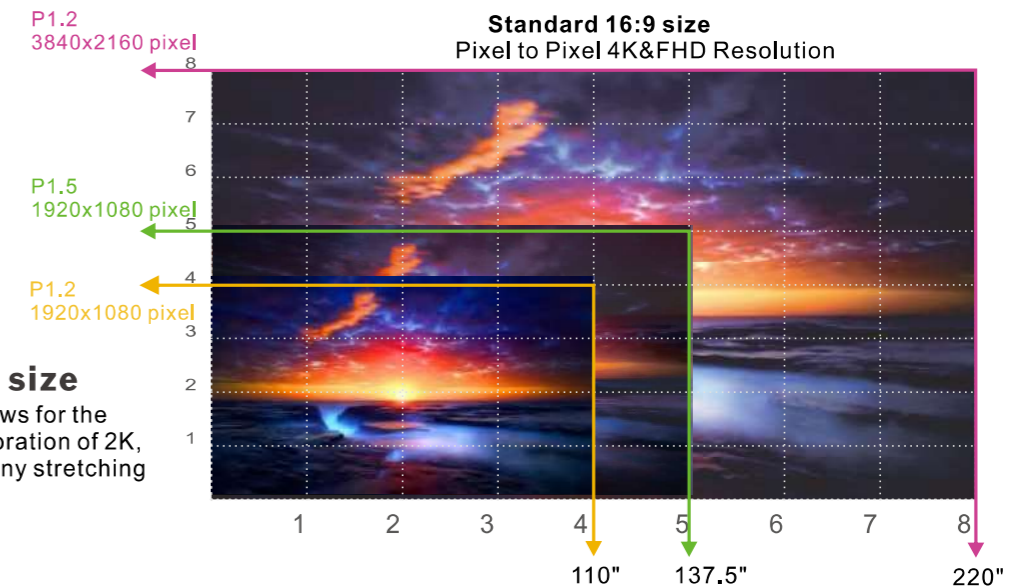
Lighter , Thinner

The A60 Series is equipped with a super-thin and super-light design.



2000:1 High Contrast, better effect

Black LEDs with higher contrast deliver exceptional image quality solutions.



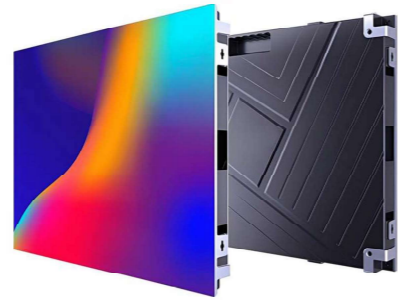
Native screen size

The 16:9 cabinet design allows for the flawless, point-to-point restoration of 2K, 4K, and 8K images without any stretching or scaling.

Pixel Pitch	Modules resolution	Cabinet resolution	Density/sq.m	Refresh rate	Brightness	Scan
1.25mm	240x135pixel	480x270pixel	640,000pixel	3,840-7,680Hz	600cd/sq.m	1/45
1.56mm	192x108pixel	384x208pixel	409,600pixel	3,840-7,680Hz	600cd/sq.m	1/54
1.875mm	160x90pixel	320x180pixel	284,444pixel	3,840-7,680Hz	600cd/sq.m	1/45

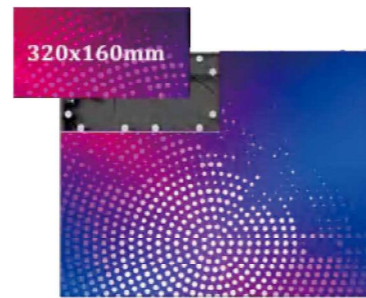
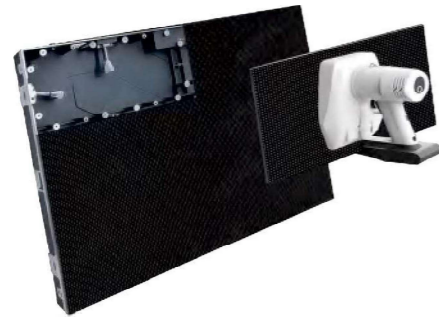
Front Maintenance

P1.25 / P1.53 / P1.66 / P1.86 / P2 / P2.5
Featuring magnetically attached modules and a fully front-serviceable design, these LED displays ensure effortless installation and maintenance



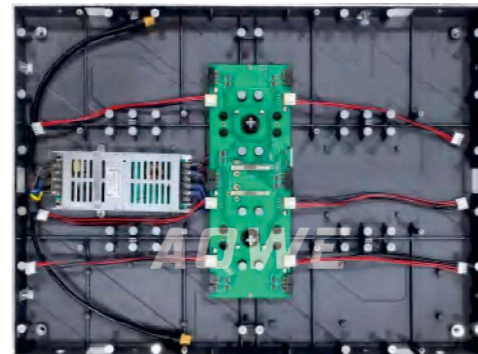
Standard modules

The standard module size of 320x160mm is compatible with various pixel configurations, providing users with flexible and versatile options to meet diverse application needs.



Easy Maintenance

We will provide electronic vacuum tool, and the maintenance will be simpler and more efficient.

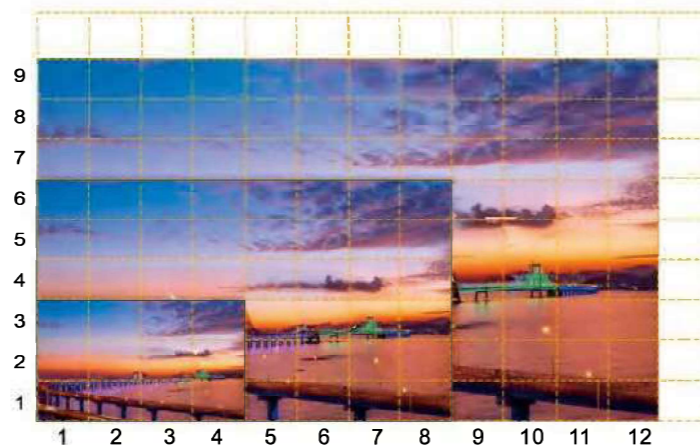


HUB Connection Design

Equipped with the advanced A-Series receiving card, this solution supports 18-bit grayscale processing, delivering superior color depth, enhanced display performance, and a significantly reduced failure rate for reliable, high-quality visuals.

16:9 Golden ratio

The 16:9 golden ratio design ensures an immersive visual experience, offering versatile resolution options such as 2K, 4K, and 8K to meet diverse display requirements with exceptional clarity and precision.



Multiple sizes

Lightweight and ultra-thin, it is designed to adapt to spaces of any size, offering greater flexibility. With simplified internal wiring and seamless splicing, it provides a 160° horizontal enhancing vertical protection performance (GOB/COB).



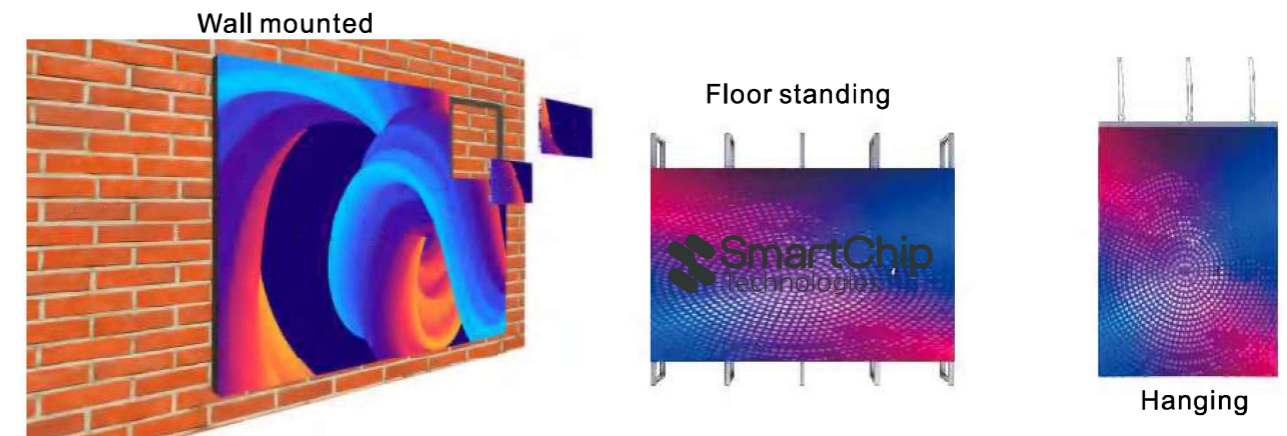
Improved protection performance(GOB/COB)

The GOB process offers enhanced product protection and extends the lifespan of the product.

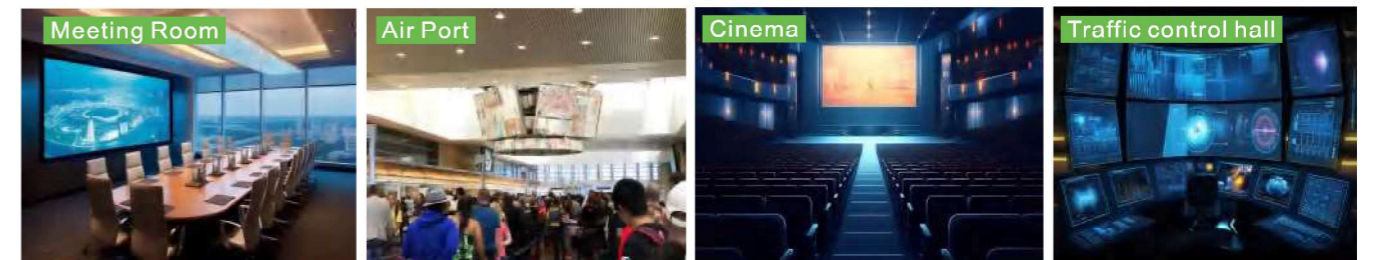


Multiple installation methods option

Featuring rapid installation and maintenance, a hidden wiring design, and fully front-access service, it supports hanging, wall mounting, and stacking installation. A frame structure can also be provided.



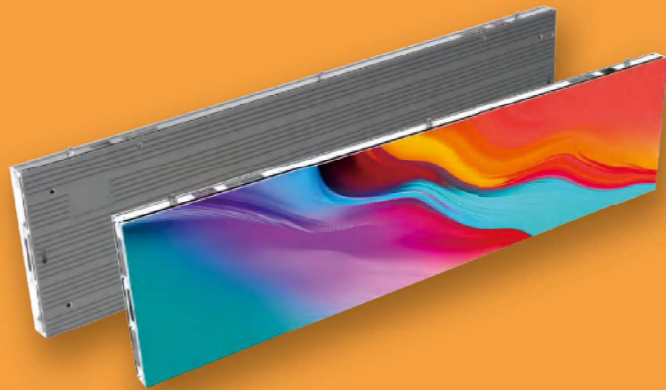
Various Application Scenarios



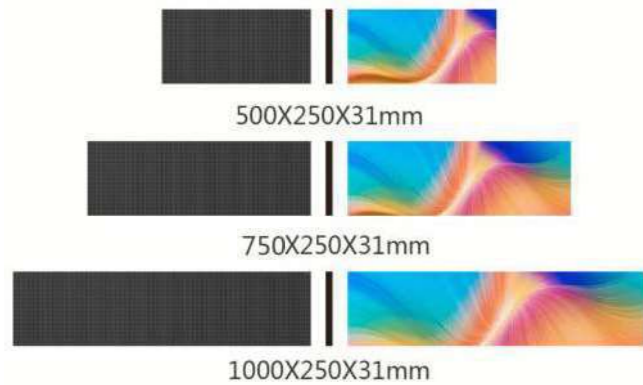
Pixel Pitch	Modules resolution	Cabinet resolution	Density/m ²	Refresh rate	Brightness	Scan
1.25mm	128x256pixel	384x512pixel	640,000pixel	3840Hz	600cd/sq.m	1/64
1.53mm	104x208pixel	312x416pixel	427,186pixel	3840-7680Hz	600cd/sq.m	1/52
1.86mm	86x172pixel	258x344pixel	289,050pixel	3840-7680Hz	600cd/sq.m	1/43
2.0mm	80x160pixel	240x320pixel	250,000pixel	3840-7680Hz	600cd/sq.m	1/40
2.5mm	64x128pixel	192x256pixel	160,000pixel	3840-7680Hz	600cd/sq.m	1/32

Ultra high definition LED display

The ultra-thin, high-definition large screen is ideal for a variety of applications, including shop advertisements, indoor concerts, wedding events, conference rooms, and command centers, delivering stunning visuals for every occasion.



Panel Dimension

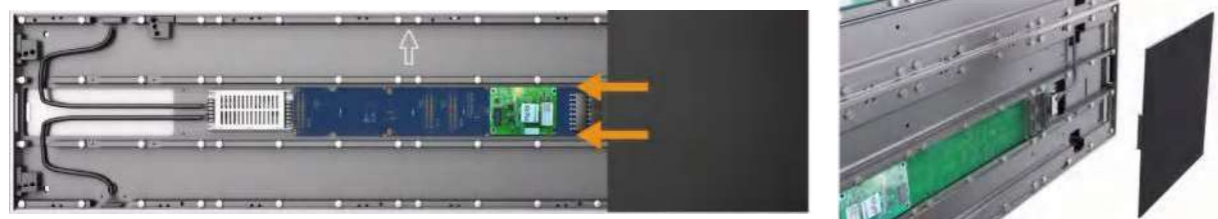


Multiple sizes

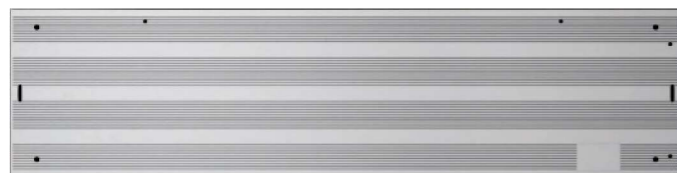
Ultra-Light & Ultra-Thin Design
Featuring a fully front-maintained structure, it ensures easy assembly and disassembly. With simplified internal wiring and seamless splicing, offers a clean and professional setup. Available in multiple sizes, it adapts perfectly to various installation scenarios, delivering both flexibility and exceptional performance.

HUB Connection & Cable-Free Design

HUB connection design between the module and the panel
Aluminum cabinet with extremely fast heat dissipation



Rear view

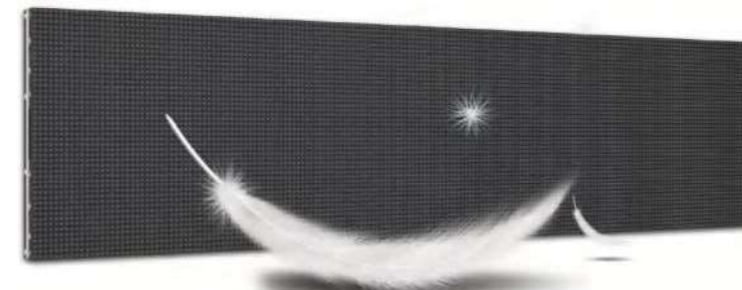


Front view



A Series Receiving card

The A5-A10 series receiving cards feature 18-bit+ grayscale, delivering superior performance, and are equipped with color management and low-latency functions.



Ultra-Light ,Ultra-Thin

Weight of each panel: 2.9kg / 4.5kg / 5.8kg

Multifunctional installation



Hanging

Wall mounted

90° angle

Pixel Pitch	Modules resolution	Cabinet resolution	Density/sq.m	Refresh rate	Brightness	Scan
1.95mm	128x128pixel	512x128pixel	262,144pixel	7680Hz	800cd/sq.m	1/32
2.6mm	96x96pixel	384x96pixel	147,456pixel	7680Hz	800cd/sq.m	1/24
2.9mm	84x84pixel	336x84pixel	112,896pixel	7680Hz	800cd/sq.m	1/28

F500 Series

Viable Outdoor & Indoor LED Display



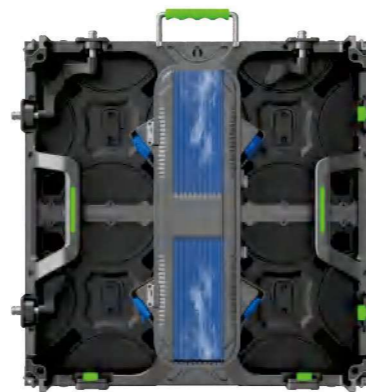
Even lighter and thinner

The display comes in two sizes, 500x500 and 500x1000. The 500x500 model weighs 7.5 kg net, the 500x1000 one is 13 kg, and both are 70 mm thick.



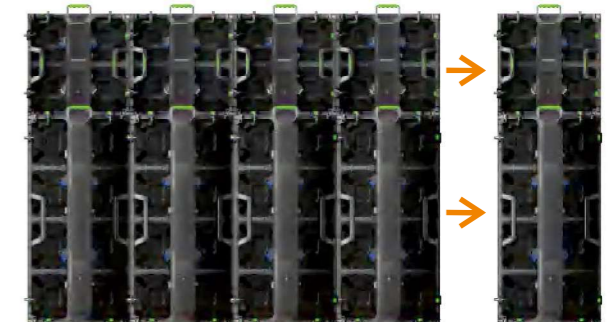
Multiple Configurations, Versatile Clarity

P1.5, P1.9, P2.6, P2.9, P3.91, P.481
Module size: 250x250mm
Suitable for both indoor and outdoor



Mix splicing

The 500x500 and 500x1000 LED cabinets can be seamlessly inter-spliced. With flexible combinations, they fully meet all size demands, offering boundless possibilities for your creative displays.



Efficient heat dissipation

With an advanced heat-dissipation design, the LED display ensures enhanced durability, extended lifespan, and maximized value, delivering reliable performance for long-term use.



Edge Protection design



Diverse mounting methods

The display offers multiple installation options. It is adaptable for arc-shaped, circular, floor-standing, pendant, and wall-mounted installations, providing comprehensive solutions for different scenarios.



Pixel Pitch	Modules resolution	Cabinet resolution	Density n ²	Refresh rate	Brightness m ²	Scan
1.56mm	160x160pixel	320x320pixel	409,600pixel	3840-7680Hz	650cd	1/40
1.953mm	128x128pixel	256x256pixel	262,144pixel	3840-7680Hz	650cd	1/32
2.604mm	96x96pixel	192x192pixel	147,456pixel	3840-7680Hz	650/4,800cd	1/32(in) 1/24(out)
2.976mm	84x84pixel	168x168pixel	112,896pixel	3840-7680Hz	650/4,800cd	1/28(in) 1/21(out)
3.91mm	64x64pixel	128x128pixel	65,536pixel	3840-7680Hz	650/4,800cd	1/16
4.81mm	52x52pixel	104x104pixel	43,264pixel	3840-7680Hz	650/4,800cd	1/13

K500 SERIES

Breakthrough Innovation For Touring



All-in-one modular design power box

Integrated Power Box Design
The power box combines the power supply, module, and control card into a unified system, offering an exceptional integrated design experience. This innovative approach ensures stable display performance and delivers significant operational benefits for users.

Front and Rear Maintenance Cable Free Design

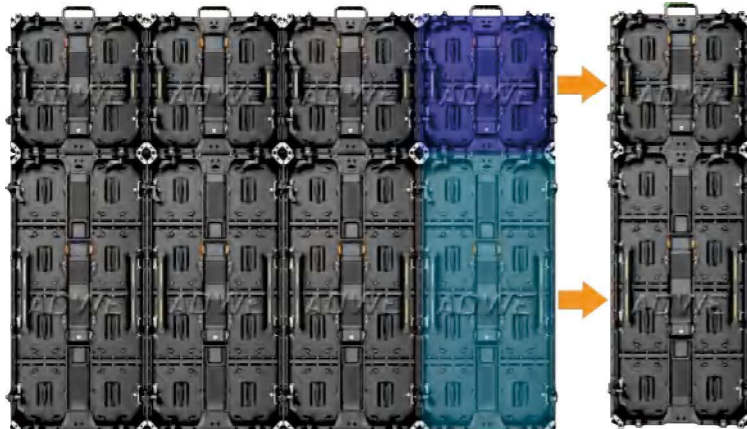
Innovative Cabinet Design

Enhanced Strength & Precision: Robust construction for superior durability and accuracy.

Front & Rear Serviceability: Universal modules allow easy access for maintenance.

Modular Design: Enables fast maintenance of modules and power boxes.

Quick-Swappable Power Box: Streamlines replacements for minimal downtime. Combining advanced engineering with user-friendly features, this design ensures efficiency and reliability.



MIXED SPLICING

500x500 and 500x1000mm led panels can be joint together seamlessly



Edge Protection

Adopts anti-collision design to avoid direct collision between LEDs and the ground, thereby effectively protecting the LEDs on the edge

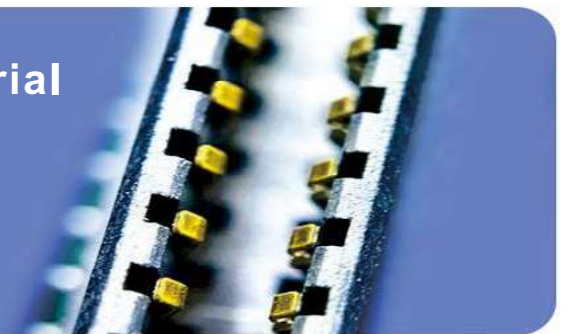
Efficient cooling design

The display achieves enhanced stability, reduced failure rates, and an extended lifespan, thanks to its efficient heat dissipation design.

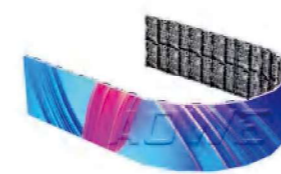


Pure copper gold-plated material

The LED display's pin headers are crafted from gold-plated pure copper and manufactured using high-standard production processes, ensuring greater stability and superior performance.



Various installation methods



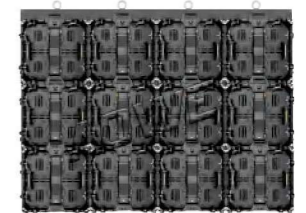
Curve



Circle



Floor Standing

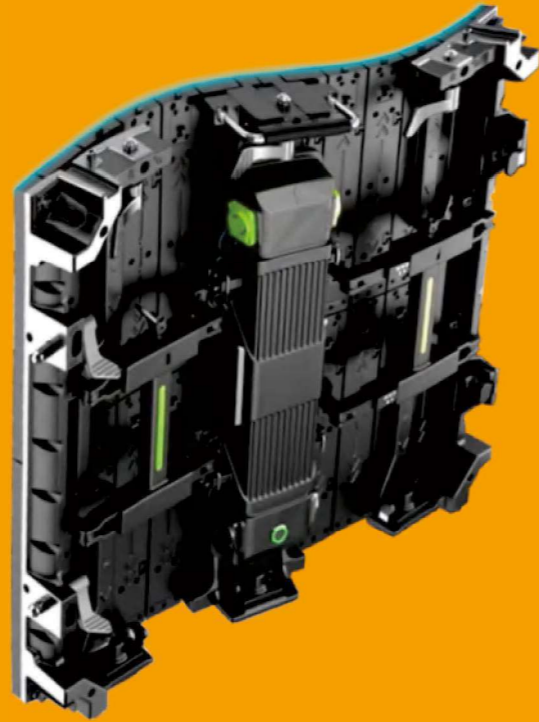


Hanging

Pixel Pitch	Modules resolution	Cabinet resolution	Density m ²	Refresh rate	Brightness m ²	Scan
1.56mm	160x160pixel	320x320pixel	409,600pixel	3840-7680Hz	650cd	1/40
1.953mm	128x128pixel	256x256pixel	262,144pixel	3840-7680Hz	650cd	1/32
2.604mm	96x96pixel	192x192pixel	147,456pixel	3840-7680Hz	650/4,800cd	1/32(in) 1/24(out)
2.976mm	84x84pixel	168x168pixel	112,896pixel	3840-7680Hz	650/4,800cd	1/28(in) 1/21(out)
3.91mm	64x64pixel	128x128pixel	65,536pixel	3840-7680Hz	650/4,800cd	1/16
4.81mm	52x52pixel	104x104pixel	43,264pixel	3840-7680Hz	650/4,800cd	1/13

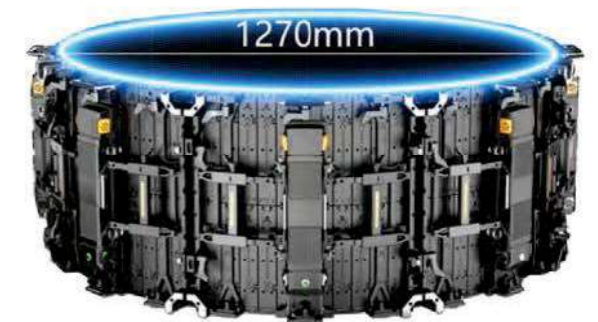
Flexible LED Display

Flexible "S" Shape Design
A single panel can effortlessly form an "S" shape, enabling seamless adaptation to diverse creative display configurations with precision and ease.

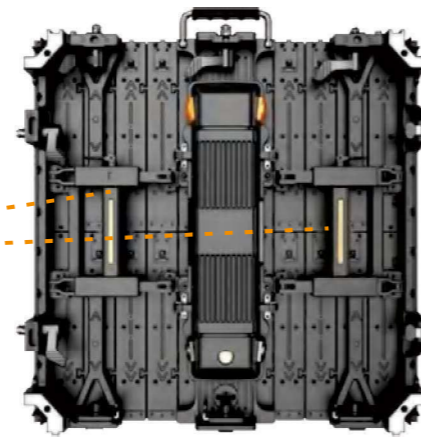


Cylinder installation

Each individual cabinet can achieve a curvature of up to 45°. When two cabinets are assembled, they can form a 90° angle. Remarkably, with just eight cabinets, it's possible to create a complete circle with a diameter of merely 1.2 meters.



Multi-Directional Arc Adjustment



Powerful and simpler

The K500 Series Capable of installation in various curved configurations, enhances stage displays with powerful yet streamlined performance. It delivers an unparalleled user experience and exceptional commercial value, combining versatility with cutting-edge design.



The Optimal Decision, big stage

The T500 series redefines versatility in visual displays. Its 500x500mm panels offer unmatched flexibility, while the 500x1000mm panels enable rapid creation of expansive screens. Precision-engineered for impact, the T500 is the ultimate choice for professionals seeking to captivate on any stage.



The T500 utilizes a 500x250mm module, which is universally compatible for both left and right positions, ensuring exceptional performance and user convenience. The larger module enhances display uniformity and allows for easy replacement.



Modularization Design

the T500 allows convenient access and servicing from both the front and rear sides

IP65 Waterproof

Crafted from superior raw materials and produced under stringent standards, the product delivers exceptional waterproof performance, ensuring reliability and durability.



- Fast lock
- Angle fast lock/Fast lock
- Anti-Slip handle
- Power Box Fasten by 4 Locks
- Truss Grab Connector

Multiple installation methods

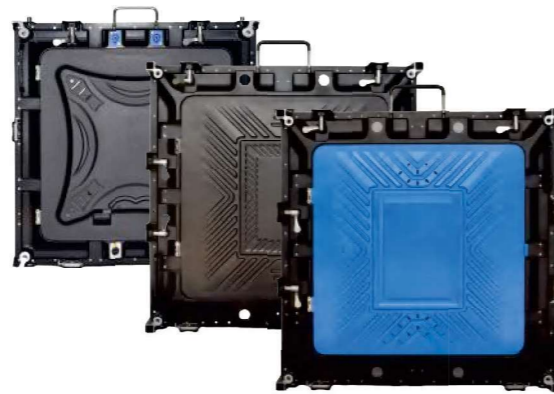


Pixel Pitch	Modules resolution	Cabinet resolution	Density n ²	Refresh rate	Brightness m ²	Scan
1.56mm	160x160pixel	320x320pixel	409,600pixel	3840-7680Hz	650cd	1/40
1.953mm	128x128pixel	256x256pixel	262,144pixel	3840-7680Hz	650cd	1/32
2.604mm	96x96pixel	192x192pixel	147,456pixel	3840-7680Hz	650/5,000cd	1/32(in) 1/24(out)
2.976mm	84x84pixel	168x168pixel	112,896pixel	3840-7680Hz	650/5,000cd	1/28(in) 1/21(out)
3.91mm	64x64pixel	128x128pixel	65,536pixel	3840-7680Hz	650/5,000cd	1/16
4.81mm	52x52pixel	104x104pixel	43,264pixel	3840-7680Hz	650/5,000cd	1/13

TD Series

Die-casting aluminum

We meticulously preserve the classic LED die-cast aluminum cabinets, seamlessly integrating cutting-edge technology with traditional craftsmanship. This fusion provides customers with a broader, more versatile range of high-quality display solutions.



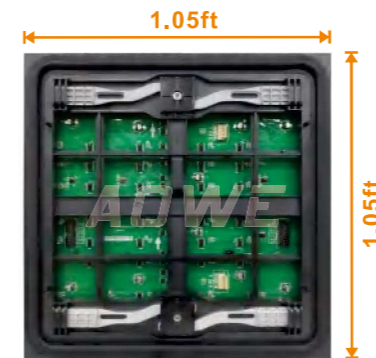
More size, more choice

The size of the module should be matched with the corresponding cabinet size.



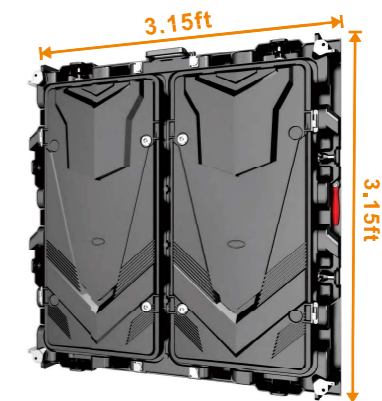
Front maintenance display
Die-casting aluminum

Pixel Pitch P4/P5/P6.67/P8/P10
AF90 series is a front access, energy-saving and high brightness outdoor LED advertising screen



Excellent Display Performance

Module size 320x320mm
Equipped with a cam-lock mechanism for quick replacement in just 10 seconds.
Front and rear access for convenient and fast maintenance.



IP65 waterproof performance to withstand extreme weather

960*960*100mm, ultra-light weight 28kgs
High-precision die-casting aluminum cabinet for durability and precision.
Quick-lock system for effortless and rapid installation.

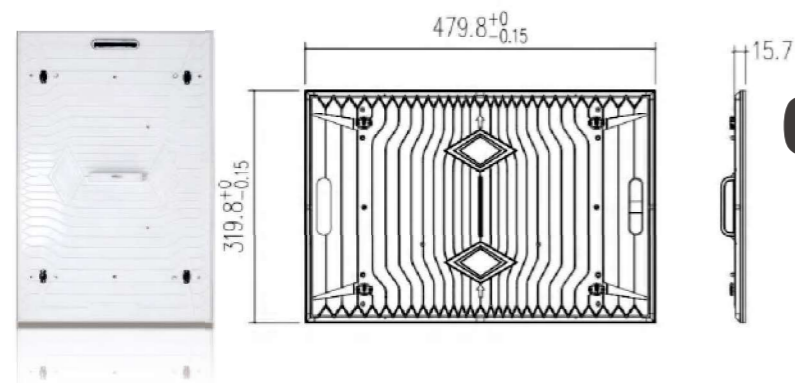
Pixel Pitch	Modules size	Cabinet resolution	Density	Refresh rate	Brightness	Scan	Cabinet size
1.86mm	320x160mm	344x344pixel	289,050pixel	1920-3840Hz	600cd/sq.m	1/43S	640x640mm
2mm	256x128mm 320x160mm	256x256pixel 320x320pixel	65,536pixel	1920-3840Hz	600cd/sq.m	1/32S	512x512mm
2.5mm	160x160mm 320x160mm	192x192pixel 256x256pixel	43,264pixel	1920-3840Hz	600cd/sq.m	1/32S	480x480mm 640x640mm
3mm	192x192mm	192x192pixel	40,000pixel	1920-3840Hz	600cd/sq.m	1/32S	576x567mm
3.076mm	320x160mm	208x208pixel	36,864pixel	1920-3840Hz	600cd/sq.m	1/26S	640x640mm
4mm	256x128mm 320x160mm	128x128pixel 160x160pixel	22,500pixel	1920-3840Hz	600cd/sq.m	1/32S	512x512mm 640x640mm
5mm	160x160mm 320x160mm	96x96pixel 128x128pixel	15,625pixel	1920-3840Hz	600cd/sq.m	1/32S	480x480mm 640x640mm



Pixel Pitch	Modules resolution	Cabinet resolution	Density m ²	Refresh rate	Brightness	Scan
4mm	80x80pixel	240x240pixel	62,500pixel	1,920-7,680Hz	4800-10,000cd	1/10
5mm	64x64pixel	192x192pixel	40,000pixel	1,920-7,680Hz	4800-10,000cd	1/8
6.67mm	48x48pixel	144x144pixel	22,500pixel	1,920-7,680Hz	4800-10,000cd	1/6
8mm	40x80pixel	120x120pixel	15,625pixel	1,920-7,680Hz	4800-10,000cd	1/4
10mm	32x32pixel	96x96pixel	10,000pixel	1,920-7,680Hz	4800-10,000cd	1/2

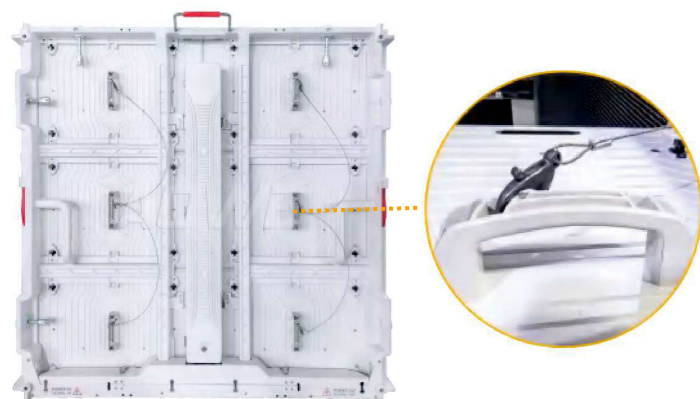
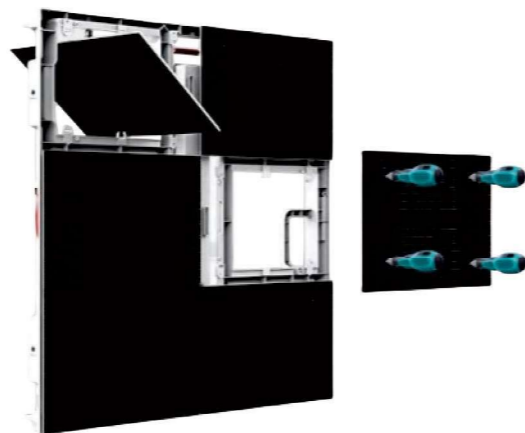
Die-casting Aluminum

The integrated Power and Signal Connector 2-in-1 design simplifies installation and enhances efficiency, ensuring seamless connectivity and reliable performance. Fanless design ensures silent operation, enhanced durability, and reduced maintenance, delivering reliable performance in a compact and energy-efficient solution.



01 | Excellent Display Design
Module size 480x320mm
Power and Signal Connector 2-in-1
High Brightness, Fanless

02 | Easy to operate
Front and Rear Maintenance
Cable free Design
Screwless design



Security protection | 03
Safety is our top priority, ensuring the highest quality standards. The design allows users to safely disassemble and assemble modules, effectively preventing accidents and ensuring reliable operation.



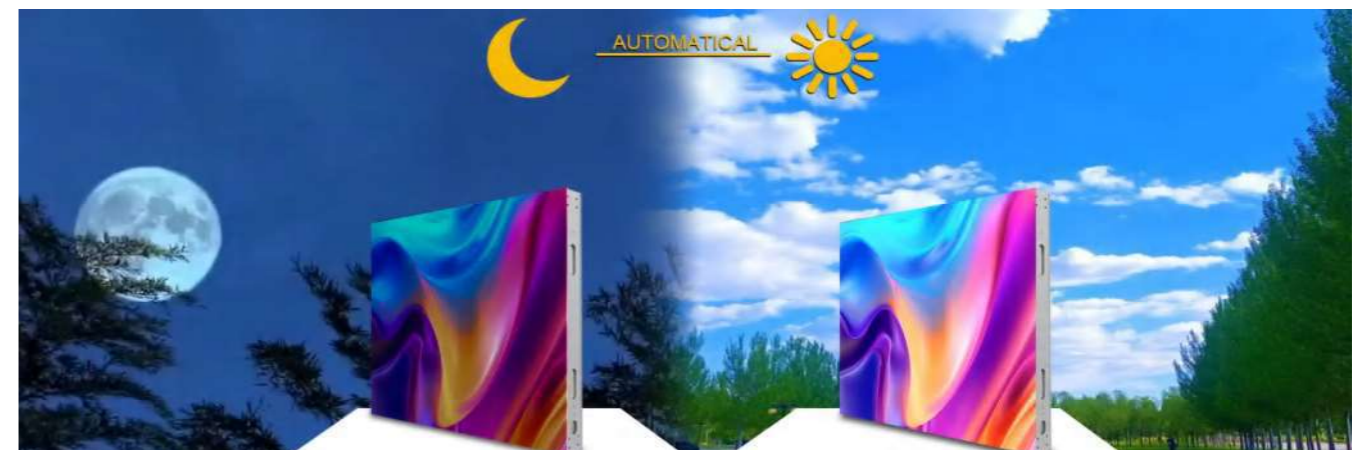
Ultra Light and thin

All Weather Resistance--IP68



High Brightness

The AS series offers customizable brightness ranging from 5,000 to 12,000 nits, with automatic adjustment based on ambient light conditions. This intelligent feature not only reduces electricity costs but also extends the product's lifespan.





Front Open LED Sign

The FO series is a plug-and-play display screen featuring high brightness, an Ip65 waterproof rating, and fully customizable sizes to meet your specific requirements.



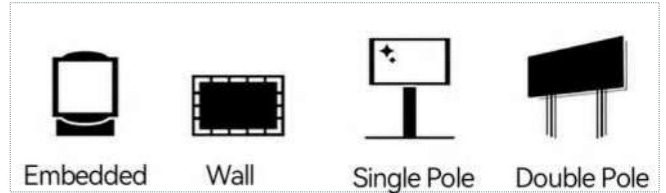
Friendly customization

Customize single or double-sided signs to suit user applications, with mounting hole positions and brackets tailored to fit the customer's existing structure or building.



Single side

Double Sided

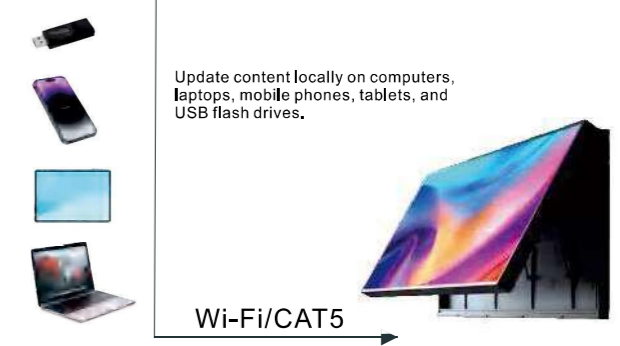
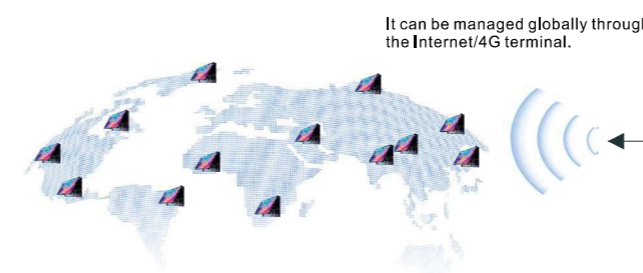


Naked eye 3D

The system is ideally suited for arc splicing at various angles and excels in delivering immersive naked-eye 3D projection



How to control the LED Sign



Wi-Fi control distance Max.1KM

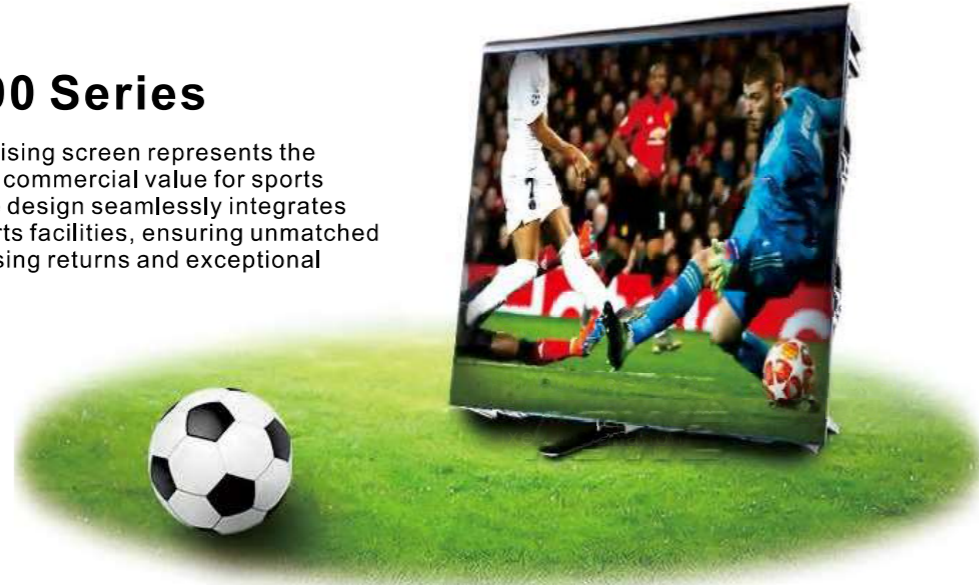
Pixel Pitch	Modules size	Cabinet resolution	Density m²	Refresh rate	Brightness	Scan	Cabinet size
1.953mm	250x250mm	256x512pixel	262,177pixel	≥3840Hz	4,800cd/sq.m	1/32S	500x1000mm
2.604mm	250x250mm	192x384pixel	147,456pixel	≥3840Hz	4,800cd/sq.m	1/24S	500x1000mm
2.976mm	250x250mm	168x336pixel	112,896pixel	≥3840Hz	4,800cd/sq.m	1/21S	500x1000mm
3.9mm	250x250mm	128x256pixel	65,536pixel	≥3840Hz	6,000cd/sq.m	1/8S	500x1000mm
4.4mm	480x320mm	216x216pixel	50,727pixel	≥3840Hz	5,000cd/sq.m	1/9S	960x960mm
5.7mm	480x320mm	208x72pixel	30,779pixel	≥3840Hz	5,500cd/sq.m	1/7S	960x960mm
6.67mm	480x320mm	144x144pixel	22,500pixel	≥3840Hz	5,500cd/sq.m	1/6S	960x960mm
8mm	480x320mm	120x120pixel	15,625pixel	≥3840Hz	6,000cd/sq.m	1/4S	960x960mm
10mm	480x320mm	96x96pixel	10,000pixel	≥3840Hz	6,000cd/sq.m	1/2S	960x960mm



Pixel Pitch	Modules resolution	Cabinet material	Density m²	Refresh rate	Brightness	Scan
2.5mm	64x128pixel	Aluminum/Iron	160,000pixel	1920-3840Hz	5,000cd/sq.m	1/16
3.076mm	52x104pixel	Aluminum/Iron	105,625pixel	1920-3840Hz	5,000cd/sq.m	1/13
4mm	40x80pixel	Aluminum/Iron	62,500pixel	1920-3840Hz	5,000cd/sq.m	1/10
5mm	32x64pixel	Aluminum/Iron	40,000pixel	1920-3840Hz	5,500cd/sq.m	1/8
6.67mm	24x48pixel	Aluminum/Iron	22,500pixel	1920-3840Hz	5,500cd/sq.m	1/6
8mm	20x40pixel	Aluminum/Iron	15,625pixel	1920-3840Hz	5,500cd/sq.m	1/4
10mm	16x32pixel	Aluminum/Iron	10,000pixel	1920-3840Hz	5,500cd/sq.m	1/2

S90 Series

The S90 LED advertising screen represents the ultimate standard in commercial value for sports venues. Its versatile design seamlessly integrates with all types of sports facilities, ensuring unmatched high-quality advertising returns and exceptional visual impact.



Standard module size

The standard module size is 320x160mm, compatible with a different pixel modules. This allows users to choose from a wide range of options to best meet their specific needs.



Protective foam

Soft mask

Professional crafted design

The soft mask incorporates a three-layer brim design, effectively reducing the impact of rain and optimizing optical diffuse reflection. Furthermore, the cabinet's top is thoughtfully designed to ensure player safety during gameplay, combining functionality with enhanced performance.



Adjustable angle

The LED display offers an adjustable viewing angle ranging from 90 to 115 degrees, while the stand bracket features a foldable and concealable design.

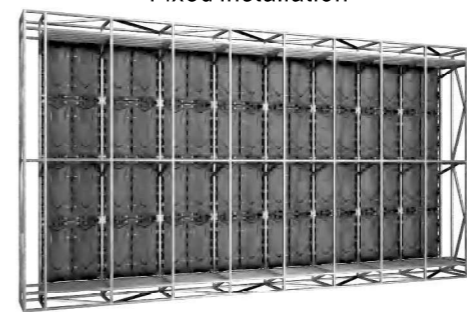


One screen, dual functions

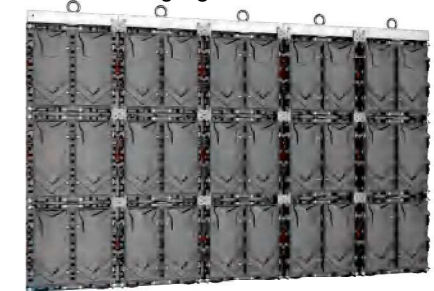
After removing the soft pad and bracket, the S90 can be used for both fixed and hanging installations, and seamlessly spliced into single or multiple large screens, delivering enhanced commercial value for users.



Fixed installation



Hanging installation



Self-developed angle lock

The S90 features a self-developed angle lock, delivering exceptional flexibility and adaptability. It can be seamlessly spliced into arc-shaped or irregular configurations to meet the specific requirements of different stadiums and events, ensuring precise installation for all types of stadium advertising screens.

Pixel Pitch	Modules resolution	Cabinet size	Density m ²	Refresh rate	Brightness	Scan
2.5mm	64x128pixel	960x960mm	160,000pixel	1920-7680Hz	4,500cd/sq.m	1/16
3.076mm	52x104pixel	960x960mm	105,625pixel	1920-7680Hz	5,000cd/sq.m	1/13
4mm	40x80pixel	960x960mm	62,500pixel	1920-7680Hz	5,000cd/sq.m	1/10
5mm	32x64pixel	960x960mm	40,000pixel	1920-7680Hz	5,500cd/sq.m	1/8
6.67mm	24x48pixel	960x960mm	22,500pixel	1920-7680Hz	5,500cd/sq.m	1/6
8mm	20x40pixel	960x960mm	15,625pixel	1920-7680Hz	5,500cd/sq.m	1/4
10mm	16x32pixel	960x960mm	10,000pixel	1920-7680Hz	5,500cd/sq.m	1/2

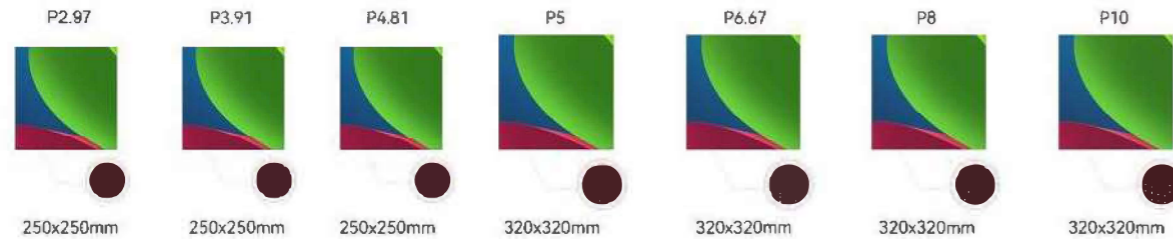
WF SERIES

The WF series is meticulously engineered for front-maintenance display screens, offering customizable size and brightness to meet diverse needs. Its user-friendly design ensures quick and effortless maintenance, delivering optimal performance with ease.



All Resolutions

The pixel pitch covers 2.97mm, 3.91mm, 4.81mm, 5mm, 6.67mm, 8mm, 10mm, which can satisfy all the requirement with different resolution

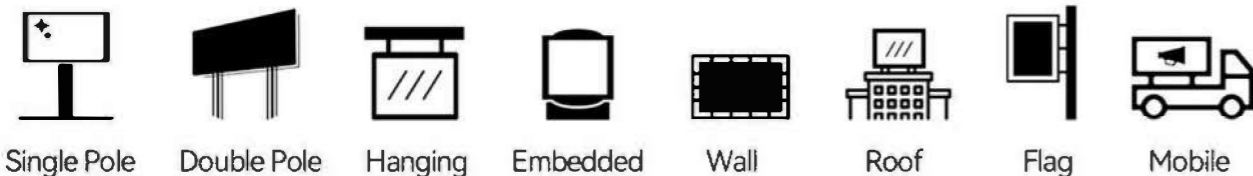


Front Maintenance

The WF series features front-access maintenance for controllers, power supplies, and modules, ensuring convenience and efficiency for quick servicing.

Installation

The WF series is perfect for LED displays on poles, walls, roofs, or embedded installations, delivering versatility and reliability.



Conserve space

We offer turnkey solutions, including customized wall-mounted brackets, designed to save space and meet your specific needs.



High Brightness

The display adjusts its brightness according to ambient light, reduce electricity costs. Its cooling system also switches on and off automatically based on the display's temperature.



Powerful control system

The WF series allows for local updates of display screen content via USB, WIFI, and CAT5. It can also be managed through global cluster publishing via 4G/Internet.

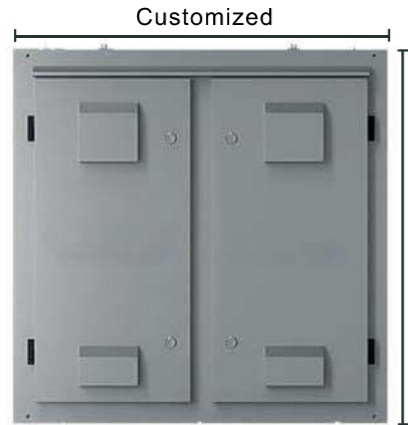


Pixel Pitch	Modules resolution	Cabinet size	Density m ²	Refresh rate	Brightness	Scan
2.976mm	84x84pixel	336x336pixel	11,896pixel	3840-7680Hz	4,500-7,500cd	1/16
3.91mm	64x64pixel	128x128pixel	65,536pixel	3840-7680Hz	4,500-7,500cd	1/16
4.81mm	52x52pixel	104x104pixel	43,264pixel	3840-7680Hz	4,500-7,500cd	1/13
4mm	80x80pixel	240x240pixel	62,500pixel	1920-3840Hz	4,800-10,000cd	1/10
5mm	64x64pixel	192x192pixel	40,000pixel	1920-3840Hz	4,800-10,000cd	1/8
6.67mm	48x48pixel	144x144pixel	22,500pixel	1920-3840Hz	4,800-10,000cd	1/6
8mm	40x80pixel	120x120pixel	15,625pixel	1920-3840Hz	4,800-10,000cd	1/4
10mm	32x32pixel	96x96pixel	10,000pixel	1920-3840Hz	4,800-10,000cd	1/2

The standard cabinet size for P2.976 - P4.81 is 1000x1000mm, and for P4 - P10 it is 960x960mm. The size can also be customized according to customer requirements.

Permanent Mount Display

The AG series is specifically engineered for outdoor waterproof LED displays, offering exceptional brightness, a diverse range of product specifications, and customizable sizes to meet various needs. It stands as the premier choice for outdoor commercial advertising.



Customized size

The AG series is specifically engineered for outdoor waterproof LED displays, offering exceptional brightness, a diverse range of product specifications, and customizable sizes to meet various needs. It stands as the premier choice for outdoor commercial advertising.

IP65 Waterproof

The AG series boasts an IP65 waterproof rating, ensuring reliable performance even in extreme weather conditions such as rainstorms and blizzards.

Withstand extreme and challenging environments.

It operates seamlessly across a wide temperature range, from -40°C to +68°C

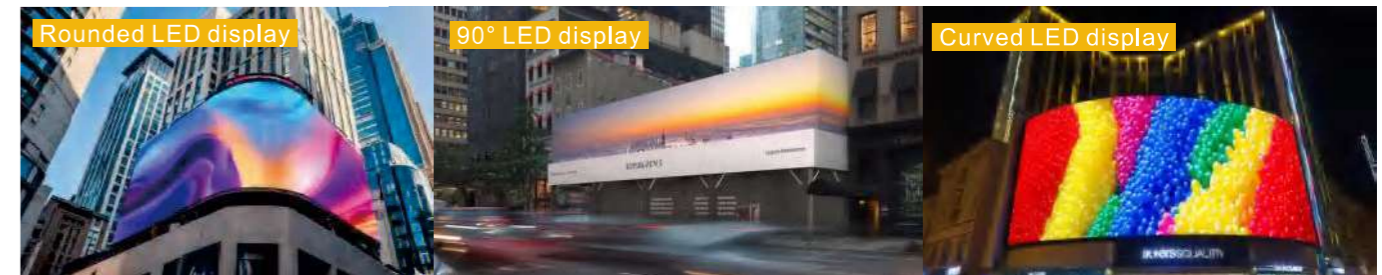
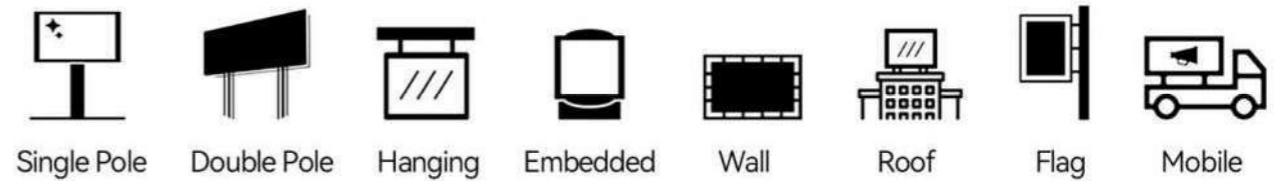


Ultra-wide viewing angle

This LED display features advanced optical design and wide-angle technology, delivering exceptional horizontal and vertical viewing angles of over 160°. With uniform screen performance across wide angles, it eliminates noticeable color shifts and brightness decay, ensuring clear, consistent visuals from all directions to meet diverse viewing needs.

High Brightness

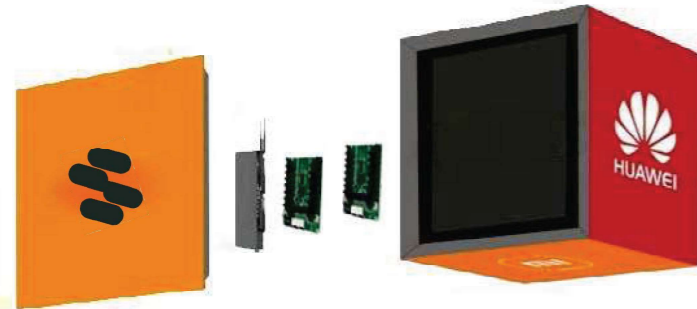
The AG series features an optional brightness sensor, automatically adjusting display brightness based on ambient light to reduce power costs. Its intelligent cooling system also activates and deactivates in response to the display's temperature, ensuring optimal performance and efficiency.



Pixel Pitch	Modules resolution	Cabinet resolution	Density m²	Refresh rate	Brightness	Scan
2.5mm	64x128pixel	400x400pixel	160,000pixel	1920-7680Hz	4,500cd/sq.m	1/16
3.076mm	52x104pixel	312x312pixel	105,625pixel	1920-3840Hz	5,000cd/sq.m	1/13
4mm	40x80pixel	240x240pixel	62,500pixel	1920-3840Hz	5,000cd/sq.m	1/10
5mm	32x64pixel	192x192pixel	40,000pixel	1920-3840Hz	5,500cd/sq.m	1/8
6.67mm	24x48pixel	144x144pixel	22,500pixel	1920-3840Hz	6,000cd/sq.m	1/6
8mm	20x40pixel	120x120pixel	15,625pixel	1920-3840Hz	6,800cd/sq.m	1/4
10mm	32x32pixel	96x96pixel	10,000pixel	1920-3840Hz	4800-10,000cd	1/2

LED CUBE

The CB series offers customizable solutions for 4-side, 5-sided, and 6-sided displays, making it versatile for both indoor and outdoor applications.



ALL IN ONE

The CB series features a highly integrated design with power supply, modules, controllers, and enclosures, offering a seamless plug-and-play experience.



Multiple installation options

The CB series provides versatile installation options and customizable configurations to meet diverse user needs, delivering tailored solutions for exclusive requirement



IP65 Waterproof

The CB series has an IP65 waterproof rating and can operate in heavy rain and snowstorm weather.



Easy to Move

Wheels are installable at the base of the pillar, facilitating easy mobility for users.

Simple to operate

The CB supports multiple platform operating systems, allowing content updates via USB flash drives, mobile phones, tablets, and computers. It also enables remote control and cluster management through the Internet and 4G, ensuring secure and highly efficient operations.



Pixel Pitch	Modules resolution	Cabinet size	Density m ²	Refresh rate	Brightness	Scan
1.25mm	128x256pixel	384x512pixel	640,000pixel	3840-7680Hz	650cd/sq.m	1/64
1.53mm	104x208pixel	312x416pixel	427,186pixel	3840-7680Hz	650cd/sq.m	1/52
1.86mm	86x172pixel	258x344pixel	289,050pixel	3840-7680Hz	650cd/sq.m	1/43
2.0mm	80x160pixel	240x320pixel	250,000pixel	3840-7680Hz	650cd/sq.m	1/40
2.5mm	64x128pixel	192x256pixel	160,000pixel	3840-7680Hz	650cd/sq.m	1/32

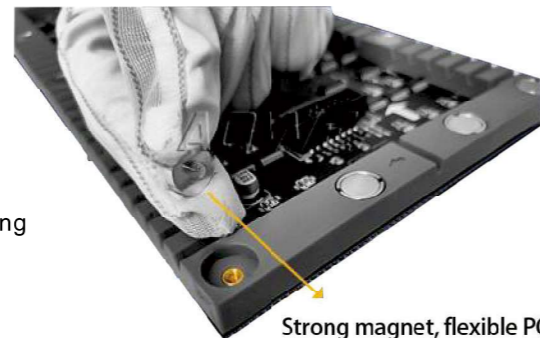
FL Series

Excellent flexibility, highly creative
Lighter, thinner, and customizable
Both for Indoor/outdoor use
High brightness, Ip65 waterproof



Flexible Module

Exceptional flexibility and creativity, featuring a lighter, thinner, and customizable design. Suitable for both indoor and outdoor use, with high brightness and IP65 waterproof rating.



Strong magnet, flexible PCB board

Strong Magnet

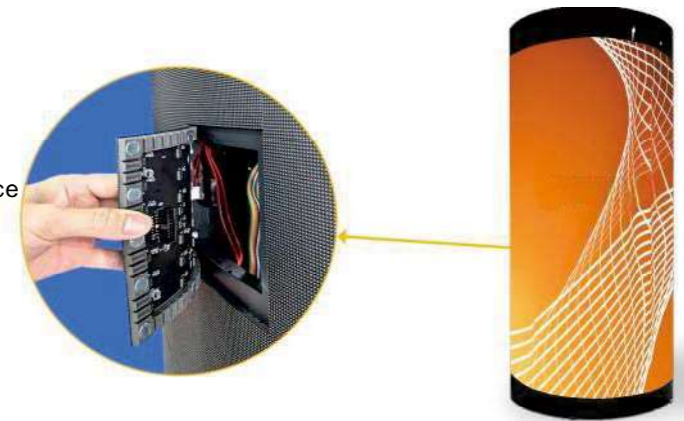
High-quality magnets ensure a flatter LED screen and seamless splicing, delivering a more outstanding display performance.

Customization service



Front Maintenance

The FL series features a front-maintenance design, allowing easy access to modules, power supplies, and control cards for convenient and efficient servicing from the front.



Indoor commercial advertising



Outdoor waterproof IP65

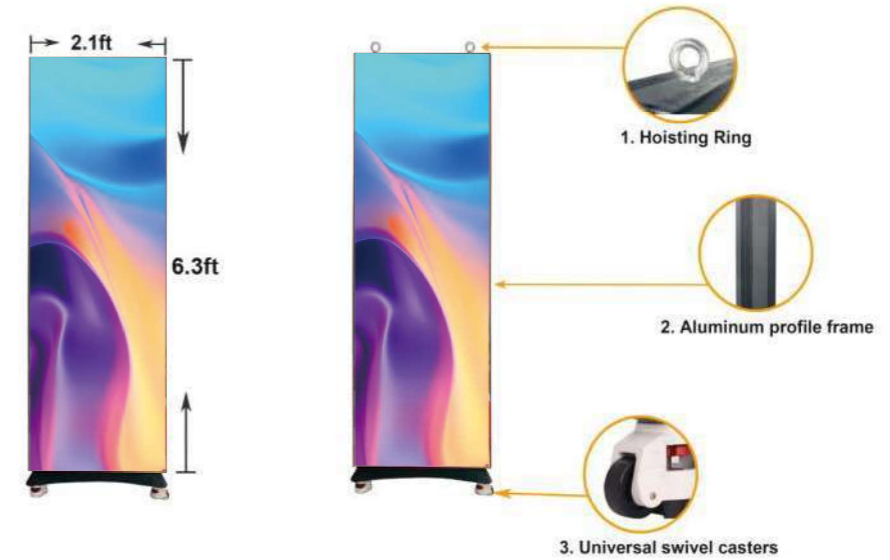


Pixel Pitch	Modules resolution	Cabinet size	Density m ²	Refresh rate	Brightness	Scan
1.25mm	256x128pixel	customized	640,000pixel	1920-7680Hz	≥450cd	1/64
1.53mm	208x104pixel	customized	422,500pixel	1920-7680Hz	≥450cd	1/52
1.86mm	176x86pixel	customized	288,906pixel	1920-7680Hz	≥450cd	1/43
2.0mm	160x80pixel	customized	250,000pixel	1920-7680Hz	≥450cd	1/40
2.5mm	128x64pixel	customized	160,000pixel	1920-7680Hz	≥450cd/4,000cd	1/32
3.076mm	104x52pixel	customized	105,625pixel	1920-7680Hz	≥450cd/4,000cd	1/26
4.0mm	80x40pixel	customized	62,000pixel	1920-7680Hz	≥450cd/4,000cd	1/20

AP Series

Aluminum Poster Display GOB&COB

Pixel Pitch: P1.25 / P1.53 / P1.67 / P1.86 / P2 / P2.5 / P3
 Size: 1.92m * 0.64m / 1.92m * 0.96m / 1.92m * 1.28m
 The AP Series is the perfect solution for rentals, events, restaurants, and more. With its plug-and-display design, it simplifies LED poster display setup effortlessly.



Improved protection performance(GOB/COB)

The GOB process provides enhanced product protection and extends product life.



All-in-One Design

The AP Series goes beyond being just a screen; it is a fully integrated solution, encompassing controllers, modules, cabinets, mounting hardware, cables, and all essential components for seamless installation.



Seamless splicing

The aluminum alloy cabinet, manufactured using high quality processes, boasts remarkable flatness and seamless joints to create an outstanding viewing experience.

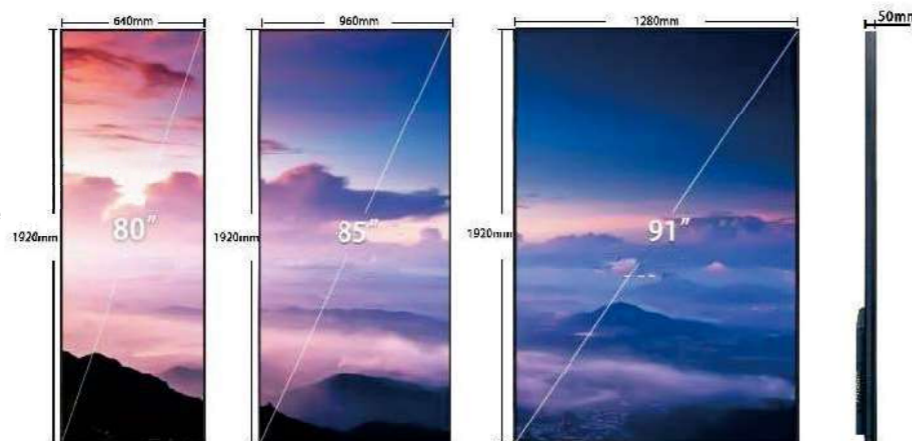
Foldable LED Poster

With its sleek, ultra-thin, and foldable design, this product is easy to store, transport, and move between different occasions. It supports versatile installation options, including standing, hanging, and creative setups.



Multiple Size Selection

The AP series offers users multiple size options to meet the diverse needs of different customers. We provide logo printing and customized packaging for users free of charge.



Supports customized sizes

How to Control AP Series Poster Display



Built - in audio system

The AP series with built - in audio system, creating an immersive audio - visual integration experience

Multiple Installation

The AP series offers versatile horizontal or vertical orientation, supporting multiple installation methods such as standing, hanging, wall mounting, and creative



Pixel Pitch	Modules resolution	Cabinet material	Density m ²	Refresh rate	Brightness	Scan
1.25mm	256x128pixel	Aluminum	640,000pixel	1920-7680Hz	450cd/sq.m	1/64
1.53mm	208x104pixel	Aluminum	422,500pixel	1920-7680Hz	450cd/sq.m	1/52
1.86mm	176x86pixel	Aluminum	288,906pixel	1920-7680Hz	450cd/sq.m	1/43
2.0mm	160x80pixel	Aluminum	250,000pixel	1920-7680Hz	450cd/sq.m	1/40
2.5mm	128x64pixel	Aluminum	160,000pixel	1920-7680Hz	450cd/sq.m	1/32
3.076mm	104x52pixel	Aluminum	105,625pixel	1920-7680Hz	450cd/sq.m	1/26

APC Series

Iron Cabinet GOB&COB

Pixel Pitch P1.25 / P1.53 / P1.67 / P1.86 / P2 / P2.5 / P3
Screen size: Customized size

The U-shaped base design simplifies installation while enhancing visual appeal, and the durable, heavy-duty casters ensure easy mobility and long-lasting performance.



Screw - Free Design

The screw-free design on the back side delivers a clean, tidy, and aesthetically pleasing appearance, showcasing AOWE's high standards for craftsmanship and commitment to combining functionality with exceptional visual appeal.

Seamless splicing

With high - standard manufacturing processes, the AP - C series enables seamless splicing, presenting a sleek and unified visual effect that fulfill the demands of high - end display applications.



AP pro Series

Outdoor Poster Led Display

Pixel Pitch P2 / P2.5 / P3
Standard Size 1.92m * 0.64m / 1.92m * 0.96m
The AP Pro series is characterized by its ultra-thin, high-brightness design, making it suitable for a wide range of outdoor applications.



All-in-One Design

The AP Pro features an all-in-one design that seamlessly integrates the power supply, controller, module, and cabinet. This streamlined approach eliminates the need for numerous tools and ensures user-friendly operation.



Easy to move

The AP pro is equipped with high - quality universal wheels. The wheels are made of sturdy and wear - resistant materials. Even on uneven road or grassland, it can easily achieve smooth movement, meeting your needs anytime and anywhere.



AP PRO SERIES

Seamless splicing, IP65 Waterproof



High Brightness

Even when exposed to strong outdoor sunlight, the AP pro's display doesn't falter maintaining excellent brightness performance, and delivering clear, vibrant visuals.



Pixel Pitch	Modules resolution	Cabinet resolution	Density m ²	Refresh rate	Brightness	Scan
2.5mm	64x128pixel	768x256pixel	160,000pixel	1920-7680Hz	4,500cd/sq.m	1/16
3.076mm	52x104pixel	624x312pixel	105,625pixel	1920-3840Hz	5,000cd/sq.m	1/13
4mm	40x80pixel	480x240pixel	62,500pixel	1920-3840Hz	5,000cd/sq.m	1/10

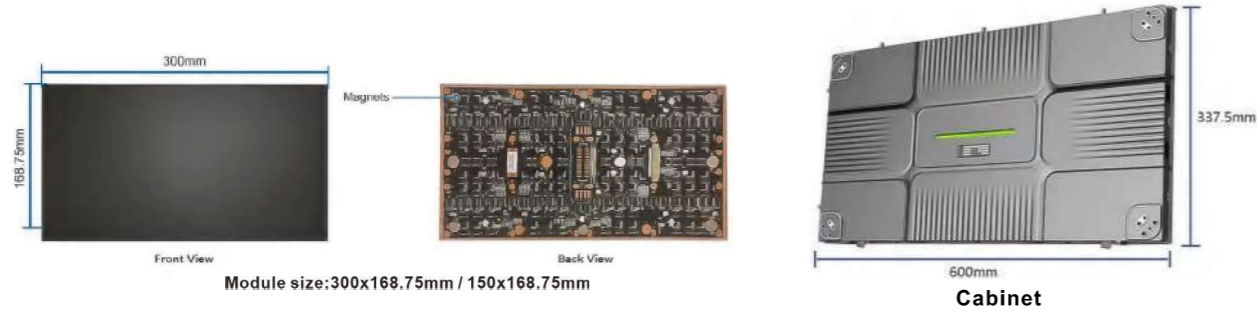
ICON SERIES

Model: A110,A138
 Aspect Ratio: 16:9
 Resolution:1920x1080
 Brightness: 350-600nits
 Thickness:30mm



16:9 Golden Ratio Led Panel

Both the module and the cabinet are designed with the golden ratio of 16:9



Two size options



Ultra-slim Frame

Aoweicon features an ultra-narrow bezel of 5mm, delivering a more immersive visual experience for all viewers.

Standard ALL-in-One Led Screen

The Aoweicon is an innovative all-in-one conference LED screen with a standard large size and 16:9 aspect ratio. It effectively enhances the facilitation of presentations, brainstorming sessions and decision-making processes.



Quick Installation and Maintenance

Aoweicon can be easily installed and can be serviced in a short time, supporting both wall mounting and standard mobile installation

Easy to Operate

The interface is designed for ease of use and can be controlled remotely, making it as intuitive to use as a TV, with plug-and-play functionality and a single button for power on/off.



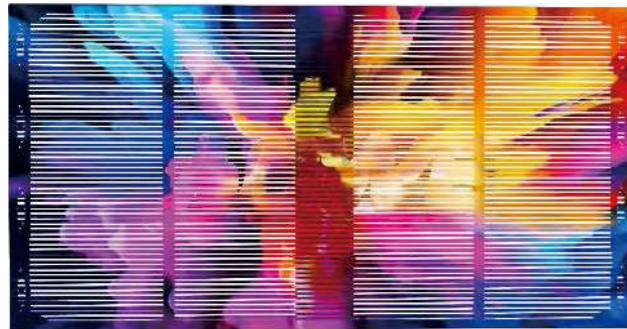
Simplified and reliable sharing

The Aoweicon platform supports screencasting across computers, mobile phones and tablets, allowing you to wirelessly share up to 4 devices simultaneously for creative displays. Mobile phone / tablet screens can be used as a whiteboard for online editing.

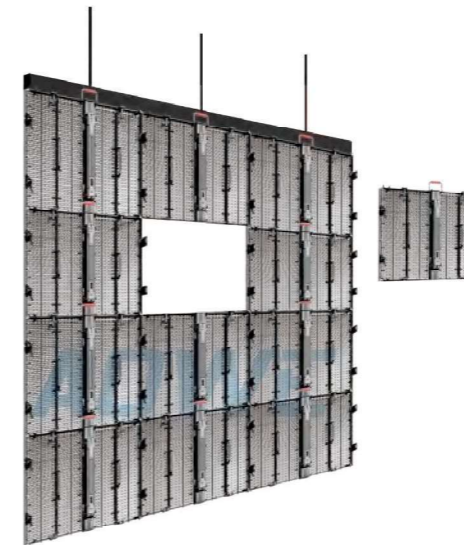
Pixel Pitch	Modules resolution	Cabinet resolution	Density m²	Refresh rate	Brightness	Scan
1.25mm	240x135pixel	480x270pixel	640,000pixel	1920-7680Hz	600cd/sq.m	1/64
1.53mm	192x108pixel	384x208pixel	422,500pixel	1920-7680Hz	600cd/sq.m	1/52
1.86mm	160x90pixel	320x180pixel	288,906pixel	1920-7680Hz	600cd/sq.m	1/43

GS Series

Outdoor waterproof transparent LED screen



- Pitch** 3.9|5.2|10.42|15.6mm
- Brightness** 4500nits
- Refresh Ratio** 3840-7680Hz
- Transmittance** 90-93%
- Dimension** 1000X500mm
- Grayscale** 16bit
- View angle** 160°
- Power Input** AC110-240V

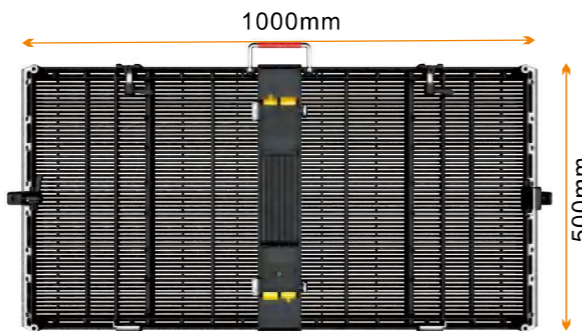


Installation & maintenance

Easy to install and maintain with minimal effort

Standard Cabinet

The GS series incorporates a standardized cabinet size of 500x1000mm, offering enhanced versatility, interchangeability, and a broader scope of adaptability.



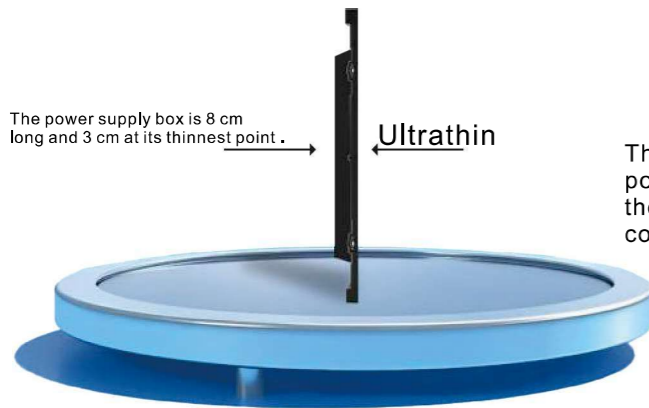
Installation & maintenance

The transparent screen boasts a light transmission rate of 60-95%, seamlessly integrating with glass facades and window lighting. Additionally, it is space-saving and unobtrusive



The power supply box is 8 cm long and 3 cm at its thinnest point .

← Ultrathin



Ultrathin

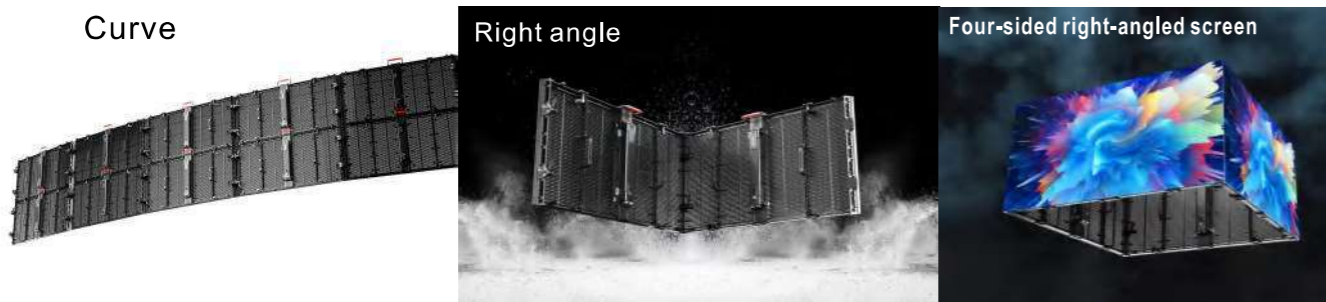
The GS Series boasts an ultra-thin design, with the power control box at the center measuring 8cm and the thinnest section at just 3cm. It can be seamlessly connected and installed behind transparent glass!

Multiple Installation

Curve

Right angle

Four-sided right-angled screen



Pixel Pitch	Cabinet resolution	Weight/m²	Density m²	Refresh rate	Brightness	Scan
3.9*7.8mm	256x64pixel	7.5kg	32,768pixel	3840Hz	≥4,500cd	1/8
5.2*10.4mm	192x48pixel	7.5kg	18,432pixel	3840Hz	≥4,500cd	1/4
10.42*10.42mm	96x48pixel	7.5kg	9,216pixel	3840Hz	≥4,500cd	1/2
15.6*15.6mm	64x32pixel	7.5kg	4,096pixel	3840Hz	≥4,500cd	Static

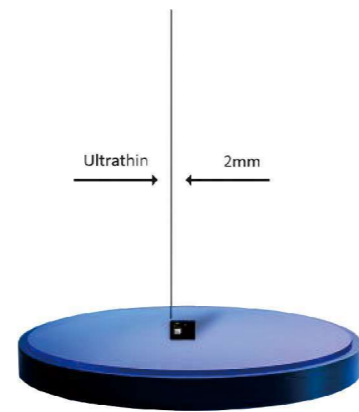


LED Film Display

- 4|5|6|8|10|20mm **Pitch**
- 1500-3000nits **Brightness**
- 3840-7680Hz **Refresh Ratio**
- 90-93% **Transmittance**
- 1000x240mm **Dimension**
- 16bit **Grayscale**
- 160° **View angle**
- AC110-240V **Power Input**

Ultrathin

Featuring an ultra-thin structure, the screen is less than 3mm thick. It can be seamlessly attached to transparent glass for a smooth and minimalist look.



Flexible

Premium materials provide creative products with exceptional flexibility, enabling their application to various curvatures and angles, thereby facilitating the creation of distinctive



Light weight

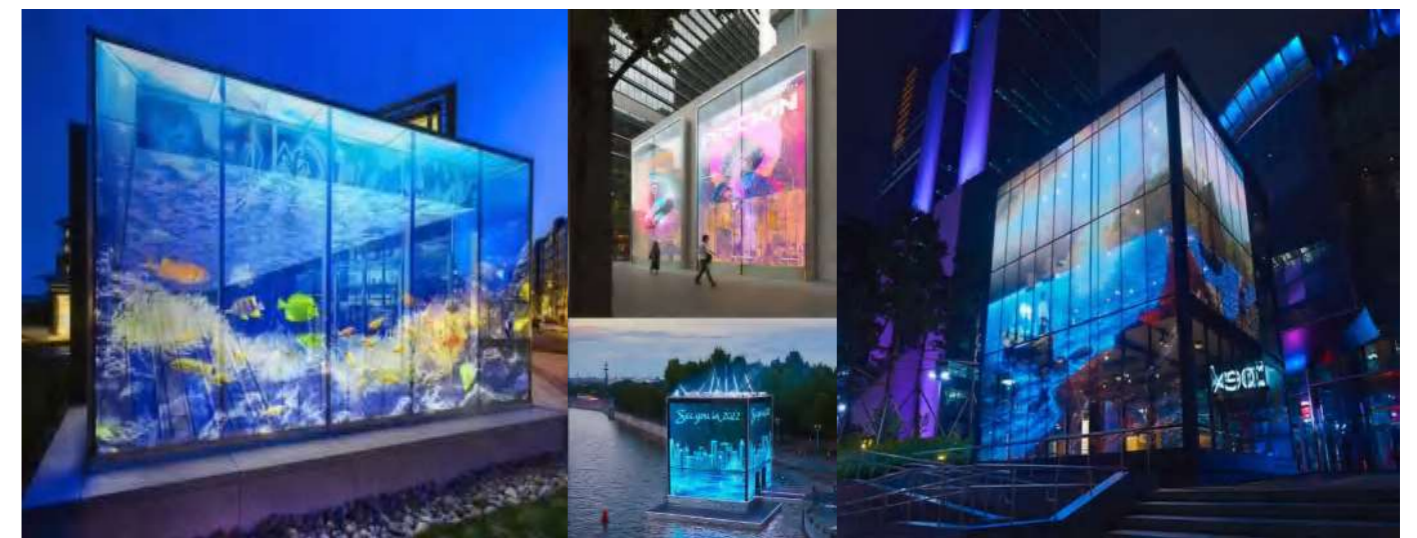
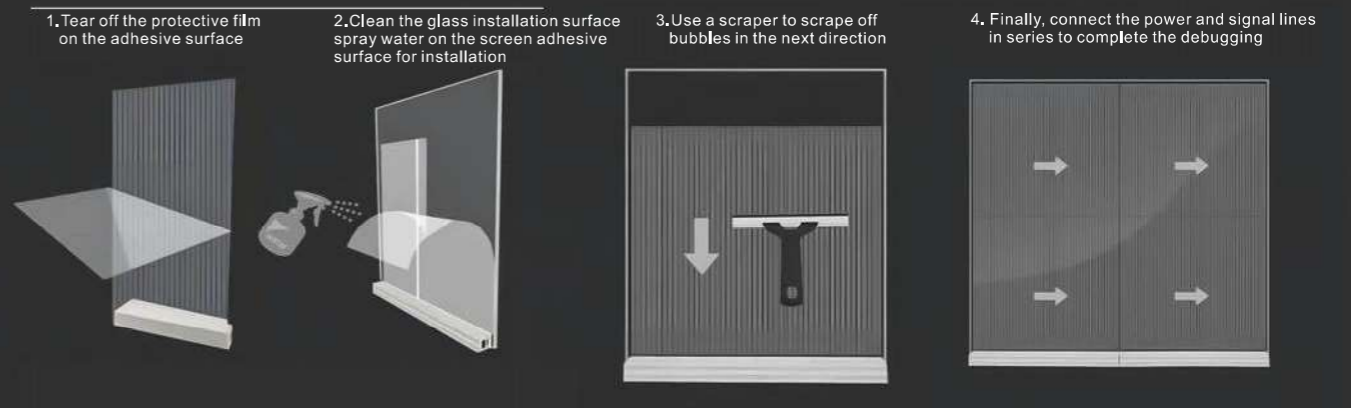
Ultra-thin, ultra-light, and durable, it won't impose a weight burden on existing glass buildings. With professional design, it helps customers save costs and brings greater commercial value.



High-transmittance

This innovative technology achieves 90% transparency in glass without the need for a central structural frame. It provides a smooth, uninterrupted visual experience, delivering outstanding clarity and seamless integration.

Self-developed glue filling process



Pixel Pitch	Modules resolution	Module size	Density m ²	Refresh rate	Brightness	Weight
4mm	200x60pixel	800x240mm	62,500pixel	≥8,000Hz	3,000cd/sq.m	3.5kg/m ²
4*8mm	250x30pixel	1000x240mm	31,250pixel	≥8,000Hz	3,000cd/sq.m	3.5kg/m ²
6mm	166x40pixel	1000x240mm	27,556pixel	≥8,000Hz	3,000cd/sq.m	3.5kg/m ²
8mm	125x50pixel	1000x240mm	15,625pixel	≥8,000Hz	3,500cd/sq.m	3.5kg/m ²
10mm	100x24pixel	1000x240mm	10,000pixel	≥8,000Hz	3,500cd/sq.m	3.5kg/m ²
16mm	62x15pixel	1000x240mm	3,844pixel	≥8,000Hz	3,500cd/sq.m	3.5kg/m ²
16*32mm	62x7pixel	1000x240mm	1,922pixel	≥8,000Hz	2,500cd/sq.m	3.5kg/m ²
32mm	31x7pixel	1000x240mm	961pixel	≥8,000Hz	1,500cd/sq.m	3.5kg/m ²
20*60mm	50x4pixel	1000x240mm	800pixel	≥8,000Hz	800cd/sq.m	3.5kg/m ²

DF Series

Interactive LED Dance Floor Display

The DF series is available in two sizes, 500x500mm and 500x1000mm, to better accommodate customers' specific size requirements.



Two options

DF provides two customizable options, allowing users to select the most suitable solution based on their needs and maximize their business value.



Normal



Intelligent sensing

Multi - point touch for real-time interaction

Featuring a built-in interactive system with unlimited interaction points, it delivers ultra-sensitive responsiveness with a mere 0.02-second delay, creating a powerful visual impact. This offers an extraordinary and unforgettable experience, significantly enhancing audience engagement.



Exceptionally high load - bearing capacity

With full back reinforcement ensuring even surface load distribution and compatibility with galvanized floor supports, it boasts a load capacity exceeding 3T/sqm. Capable of supporting walking and jumping crowds, it is ideally suited for stage shows, museums, venues, and more.

Anti-slip

A+ grade imported PC polymer mask, custom - anti - slip, for diverse environments.



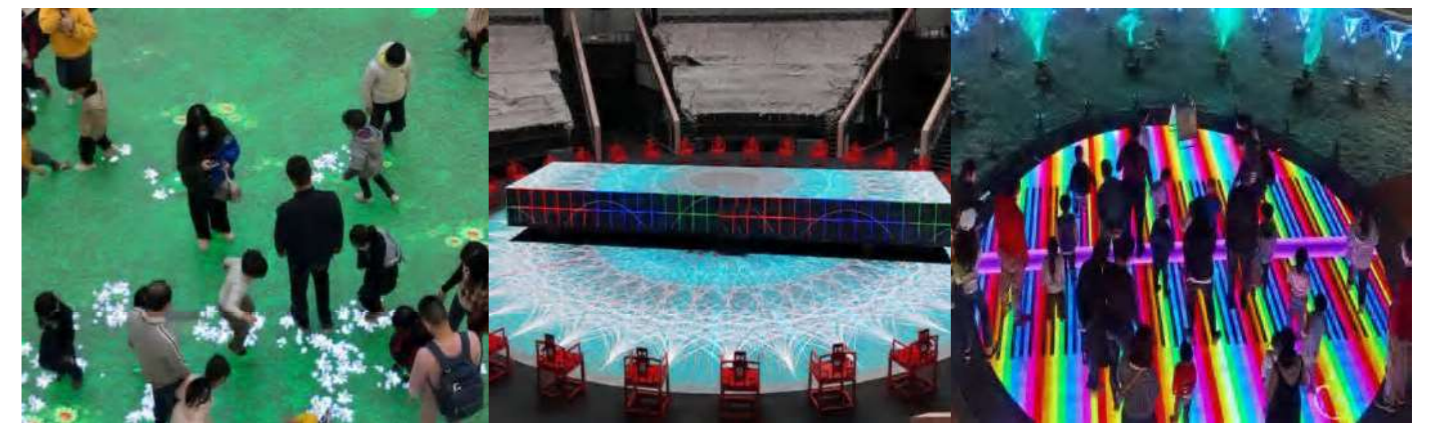
Non-slip waterproof groove

PC bearing mask

LED Cabinet

Features IP54 - level waterproof protection

Sealed by the mask and shell, the panel includes waterproof rubber rings and three-proof glue on each screw hole, ensuring moisture and water resistance with an IP54 rating for dust and water protection



Pixel Pitch	Modules resolution	Module size	Density m ²	Refresh rate	Brightness	Weight
1.56mm	160x160pixel	250x250mm	409,600pixel	1920-7680Hz	≥600cd/sq.m	3.5kg/m ²
1.86mm	134x134pixel	250x250mm	287,296pixel	1920-7680Hz	≥600cd/sq.m	3.5kg/m ²
1.95mm	128x128pixel	250x250mm	262,144pixel	1920-7680Hz	≥600cd/sq.m	3.5kg/m ²
2.5mm	100x100pixel	250x250mm	160,000pixel	1920-7680Hz	≥600cd/sq.m	3.5kg/m ²
2.6mm	96x96pixel	250x250mm	147,456pixel	1920-7680Hz	≥600cd/sq.m	3.5kg/m ²
2.9mm	84x84pixel	250x250mm	112,896pixel	1920-7680Hz	≥1,300cd/sq.m	3.5kg/m ²
3.91mm	64x64pixel	250x250mm	65,536pixel	1920-7680Hz	≥1,300cd/sq.m	3.5kg/m ²

PRODUCT CERTIFICATION

