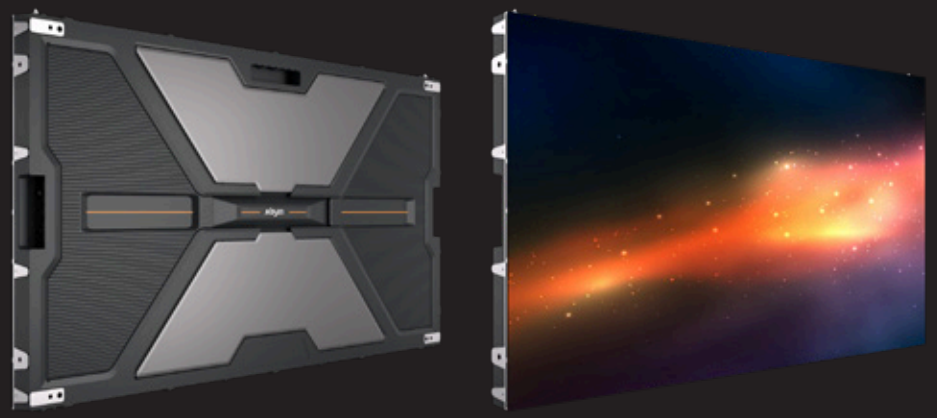
Absen

Trusted LED Supplier

NX Series

Unparalleled visual experience.

NX Series



16: 9
Aspect ratio

Quick installation
Large cabinet design

20kg/m² 43.5mm
Lightweight and ultra-thin

EMC Class B
Civil use level*

Precise floating connector
Bright and dark lines adjustment

Creative shape
Curved & Right-angle Solutions

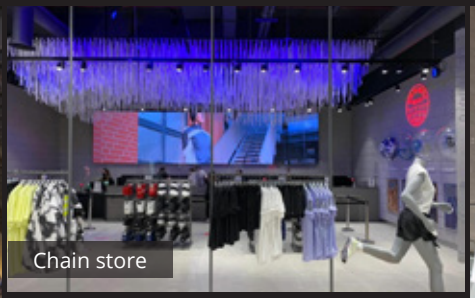
Diverse Installation
Wall-mounting, hanging and stacking

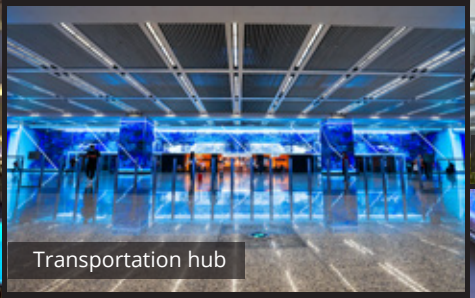
Front/ rear maintenance
Module, PSU, receiving card, etc.*

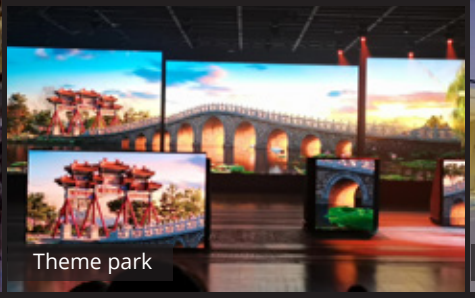
*The dual backup version of large panel do not support EMC Class B.

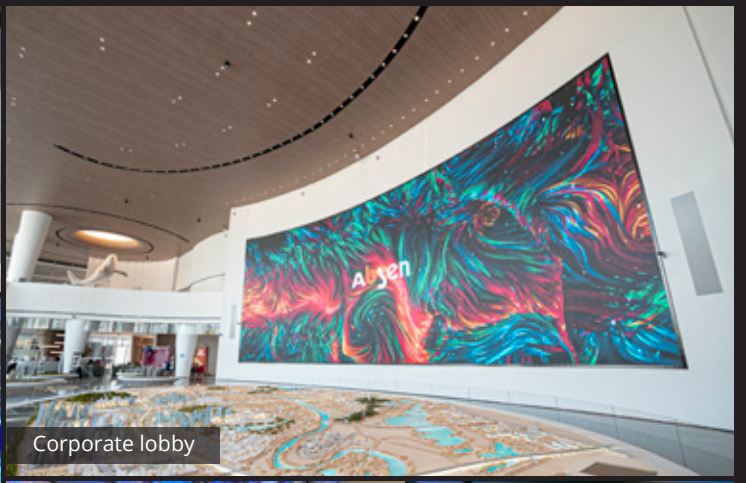
*The module of small panel does not support full rear maintenance.

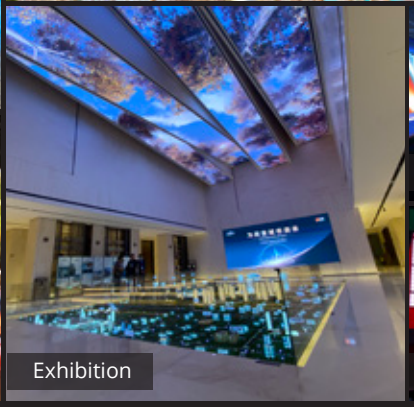
For all commercial display applications

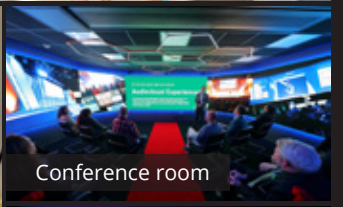


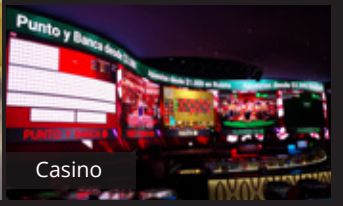






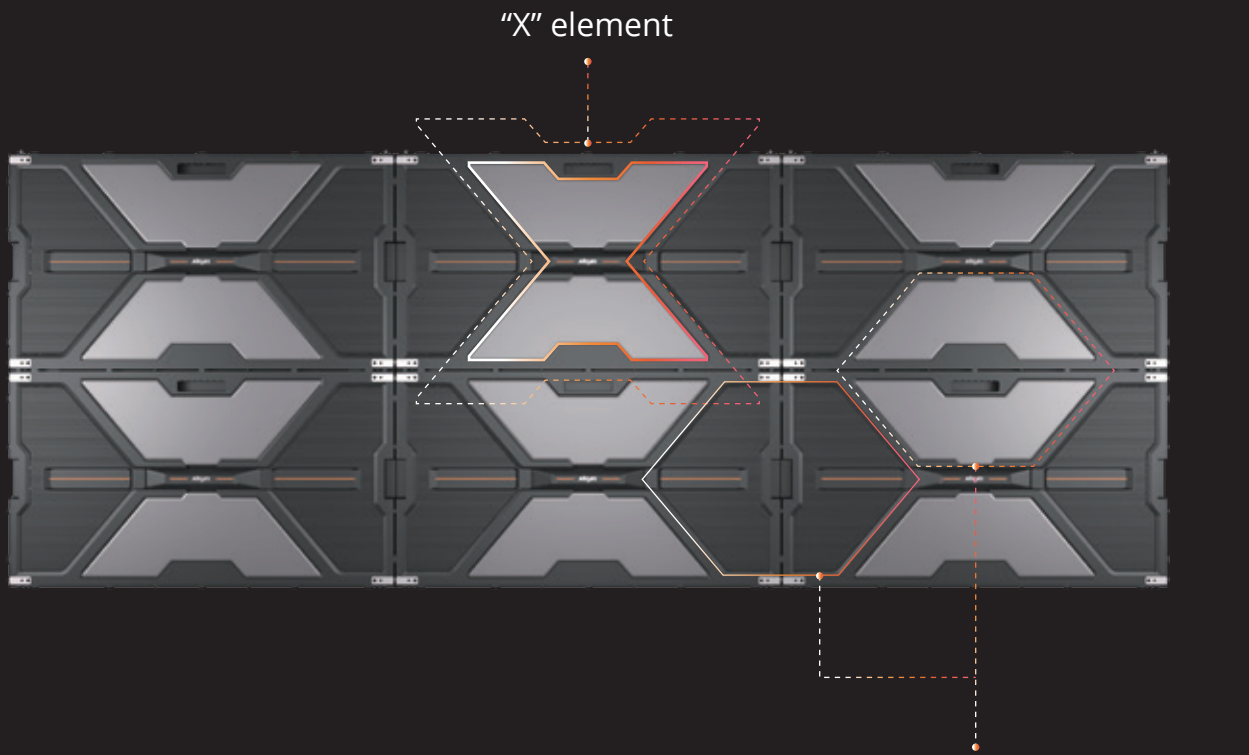






Striking “X” design

As a symbol of infinite possibilities, letter “X” becomes an exterior design element of the panel, and the Xs will form a “honeycomb”, an Absen brand element. The unique design conveys Absen's confidence in its display expertise and product quality.



Ultra-thin and lightweight panel

16:9 aspect ratio for ideal vision; 43.5mm in thickness and 20kg/㎡ in weight for better experience.

43 inch panel

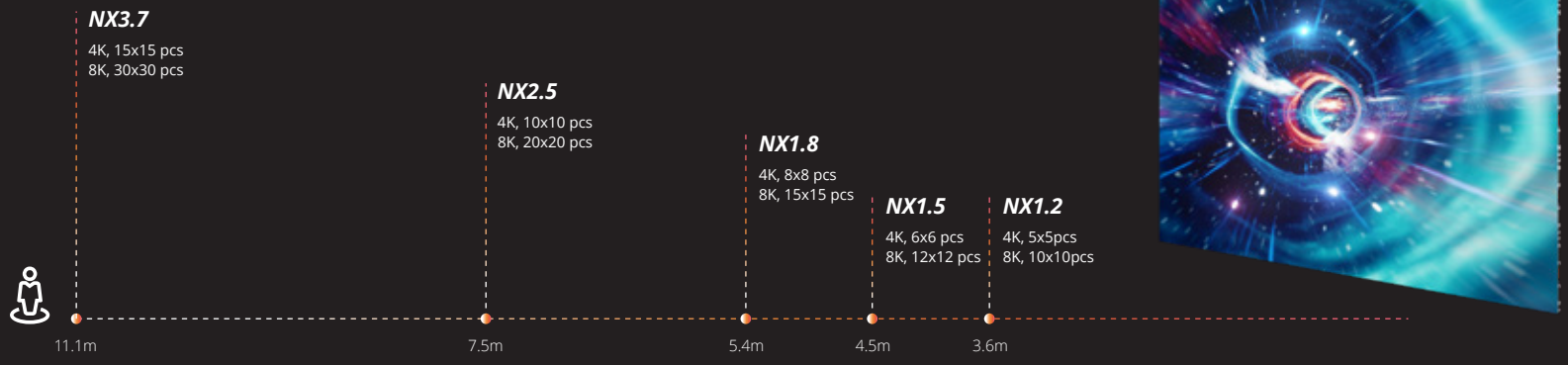
16: 9
Aspect ratio

43.5mm
Ultra-thin design

20kg/m²
Ultra-lightweight

Superior 4K/8K visual experience

Products featuring a variety of pixel pitches to provide customers with more high-definition choices.



*The 4K display resolution of NX1.2/1.5/2.5/3.7 are 3840*2160px, and NX1.8 is 4096*2304px.
*The 8K display resolution of all models are 7680*4320px.
*Best viewing distance, for reference only.

Dual brightness configuration

Dual brightness configurations*, with brightness up to 1000nits for normal brightness and up to 1500nits for high brightness.

800nits Normal brightness version

For indoor use in brand chain stores, report hall, conference room, house of worship, etc.

1500nits High brightness version

For scenarios severely affected by ambient light, such as shopping mall, corporate lobby, exhibition hall, etc.

*NX1.5 only has normal brightness version.

A5C+ calibration technology

A5C+ pixel by pixel calibration technology eliminates the difference in brightness and chromaticity within and between panels, improves the uniformity of display, and reproduces flawless images.

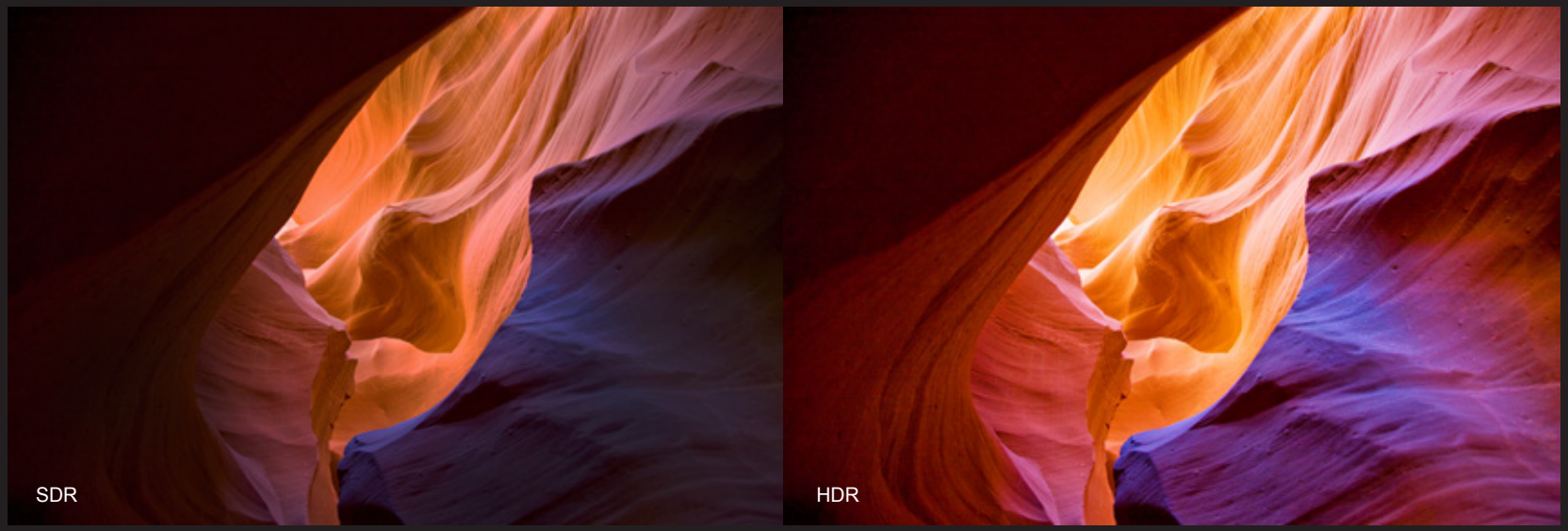
Before

A5C+ calibration technology

After

Amazing color management technology

Absen's professional color management technology makes the color of the NX series more textured and natural.



HDR10 (optional)
Image processing technology

7600:1
Highest contrast ratio*

16bit
High grayscale and fine image*

*Refers to the NX2.5 high brightness version with a contrast ratio of 7600:1.

*After internal processing, the grayscale can reach 16bit, and the hardware is 14bit.

High grayscale at low brightness

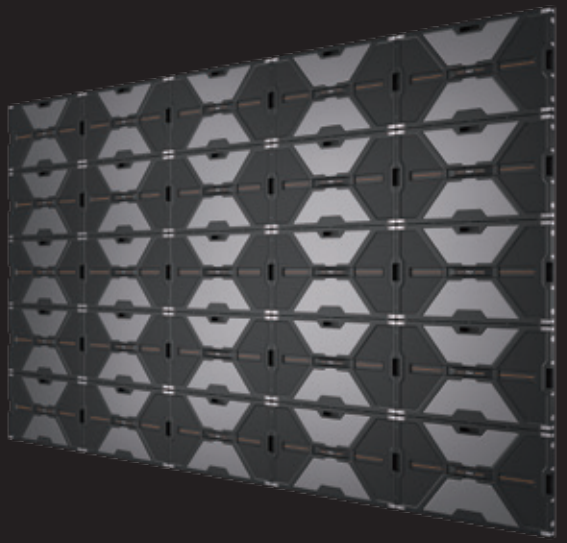
The NX series supports high grayscale display at low brightness, and details can be revealed even in low brightness condition.

Others | Missing details

NX Series | Clear details

Anti-blue light and anti-radiation

TÜV Rheinland low blue light certification and EMC Class B for cozy and safe viewing experience.



Low blue light

- TÜV Rheinland low blue light certification
- Protecting eyes from high-energy short-wave blue light

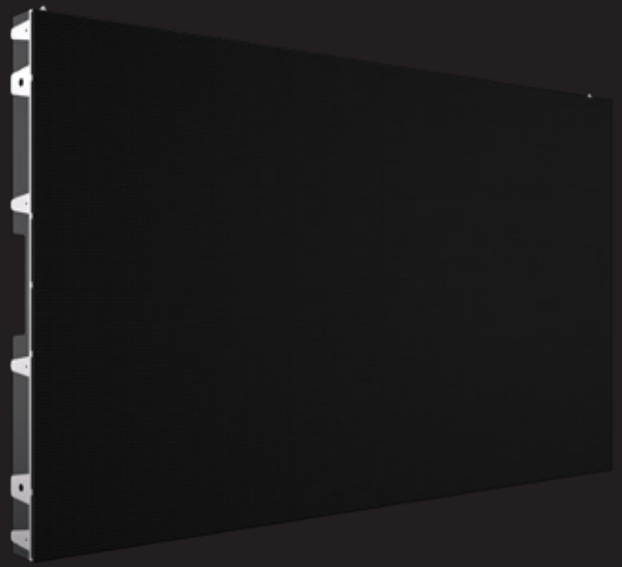
EMC Class B

- Civil use level
- Prevent harm to human body caused by excessive electromagnetic radiation

*The dual backup version of large panel and the 2-in-1 small panel do not support EMC Class B.

Efficient dynamic energy-saving technology

NX series can automatically turn on the dynamic energy-saving mode to achieve different energy-saving effects in standby and working states.*



Energy saving 40%
Standby state

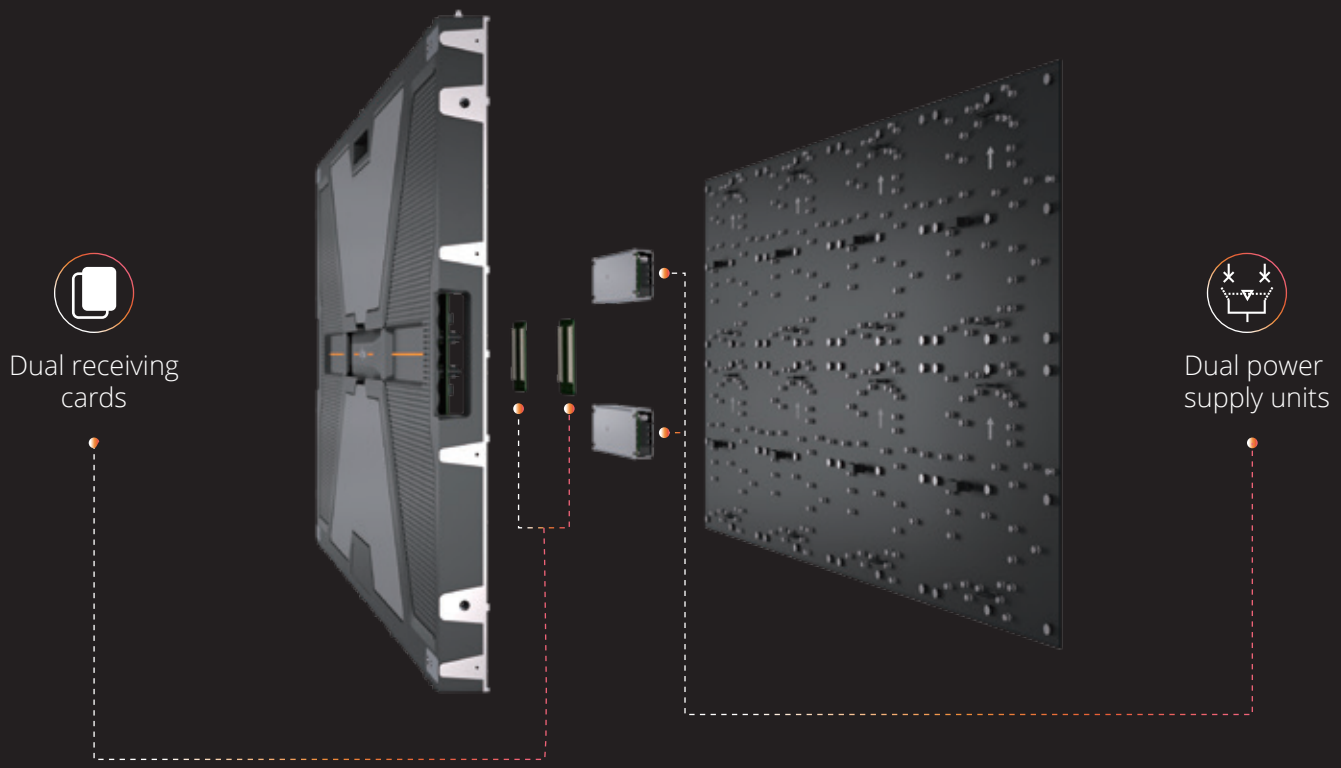
Energy saving 20%
Working state

Reduced by 5°
Screen surface temperature

*Only NX1.5 and NX1.8 support dynamic energy saving; energy saving and cooling effect varies from image to image.

Optional dual backup version

Provides optional dual backup version to ensure continuous transmission of signal and power supply.



*Only 960*540 panels support dual backup version.

A whole new level of flatness and neatness

With high-precision floating connectors, positioning copper column and X/Y/Z axis alignment, flatness is improved multidimensionally. NX series adopts a hidden wiring design for neat look in the back.

Precise floating connector

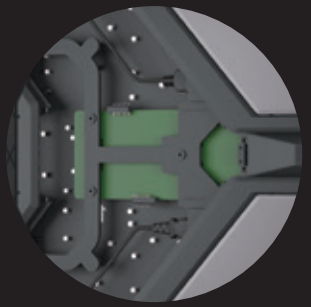
Bright and dark lines adjustment between modules

Positioning copper column

Flatness adjustment between modules

X/Y/Z axis alignment

Flatness adjustment between panels



Hidden wiring design

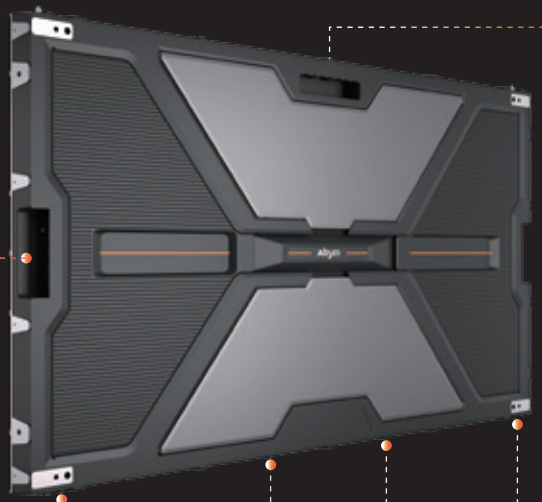
Tidy and elegant back

*Z-axis alignment function is only available for ground stacking installation.

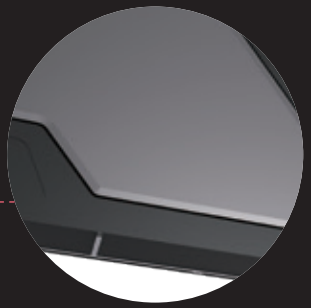
Ergonomic design and easy installation

Ergonomic handles and anti-collision design for safe, fast and easy installation.

Anti-slip side handle



Carrying handle



Anti-collision design

Flat Screen Solutions

Flexible N-in-1 small panel, enhancing project dimension compatibility.

- Large panel+
  horizontal 4-in-1 small panel

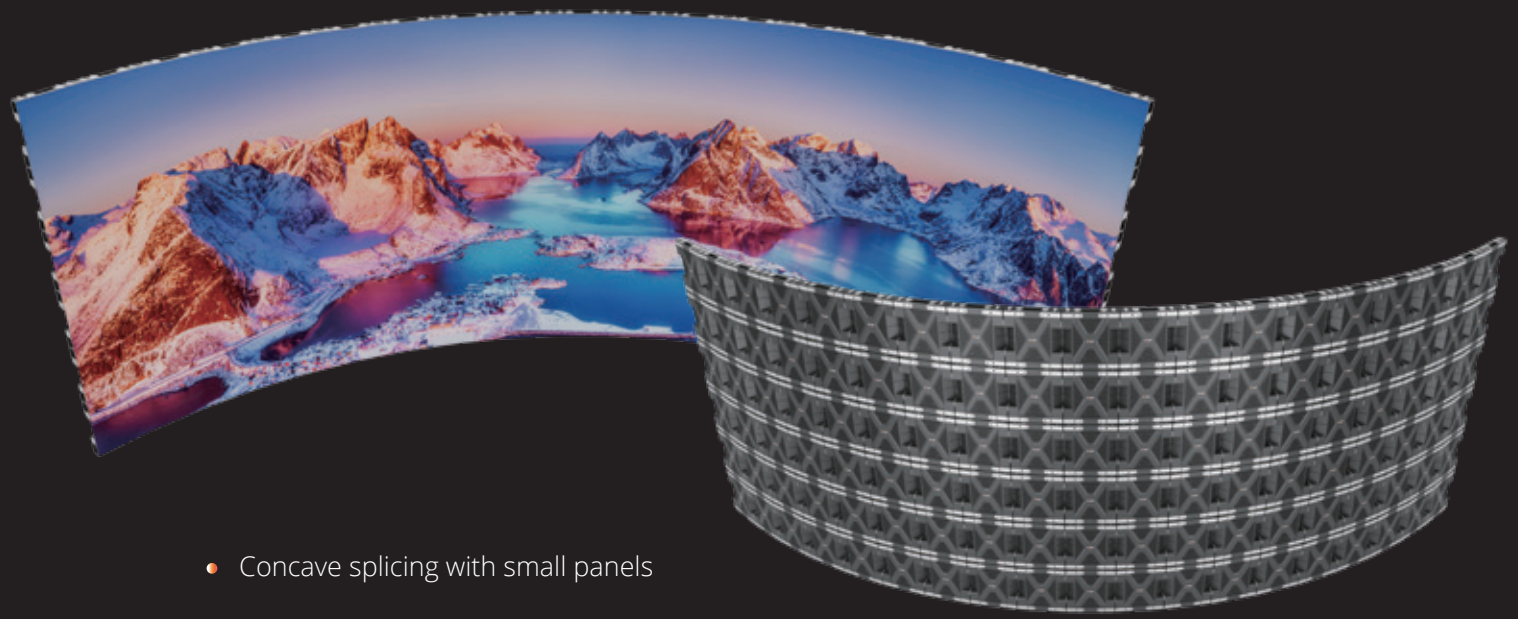
- Large panel+
  portrait 2-in-1 small panel

- Large panel+
  portrait 3-in-1 small panel

- Large panels+
  portrait 4-in-1 small panel

Creative and refined curves

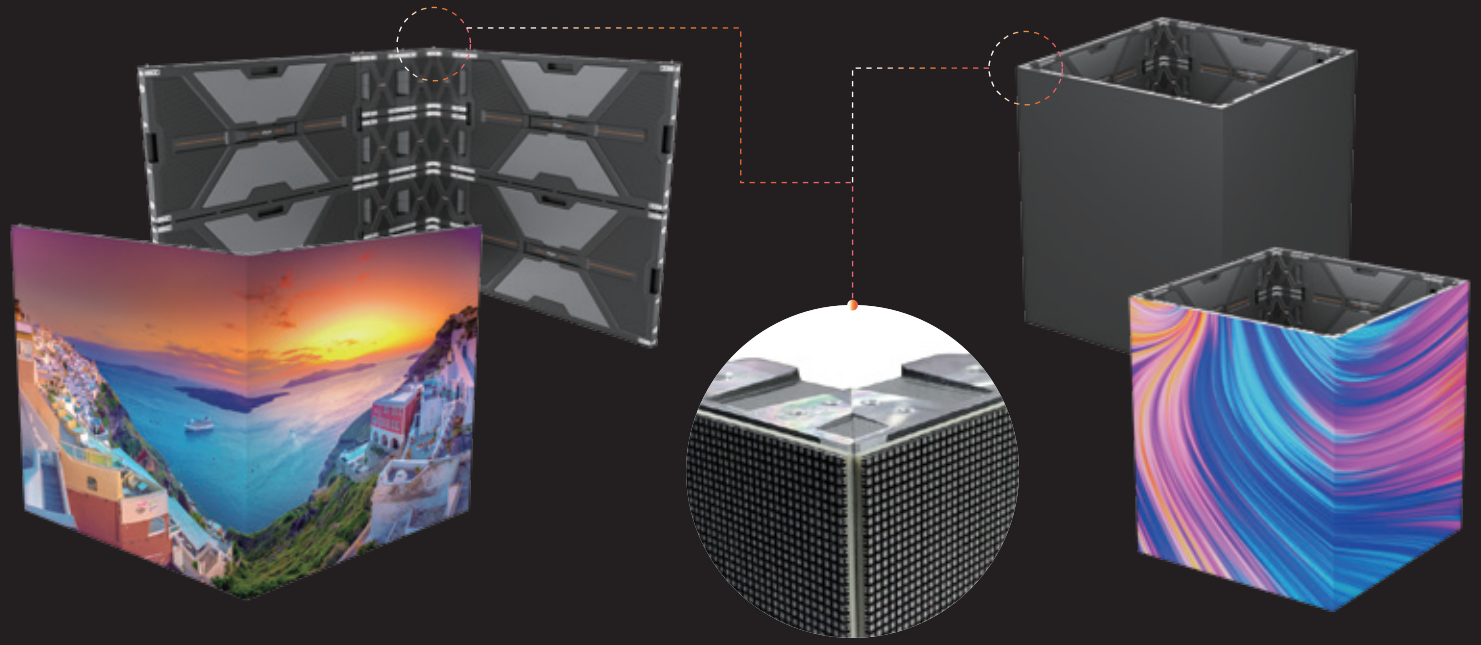
Support concave splicing to meet the various needs of customers.



- Concave splicing with small panels

Elegant L-shaped splicing

The small panels can make a right angle to create stunning L-shapes.

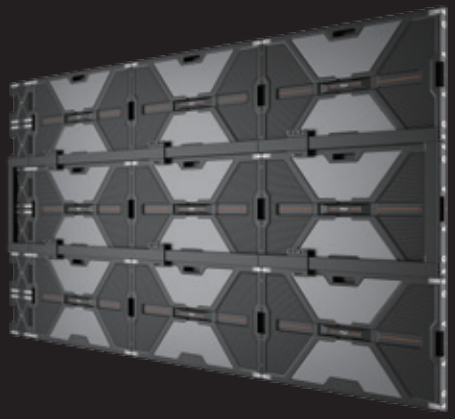


- 90° splicing

*The small panel for the right-angle position is divided into left-cut small box and right-cut small box.

Slim standard wall-mounting solution

Standard wall-mounting solution with a thickness of less than 80 mm, space-saving and beautiful.



21mm
Thickness of backing strip

80mm
Total thickness with panels

(Flexible backing strip solution)

23.5mm
Thickness of frame kit

70mm
Total thickness with panels

(Standard 960*540mm, 240*540mm, 240*1080mm frame kit)

Supports hanging and stacking installation

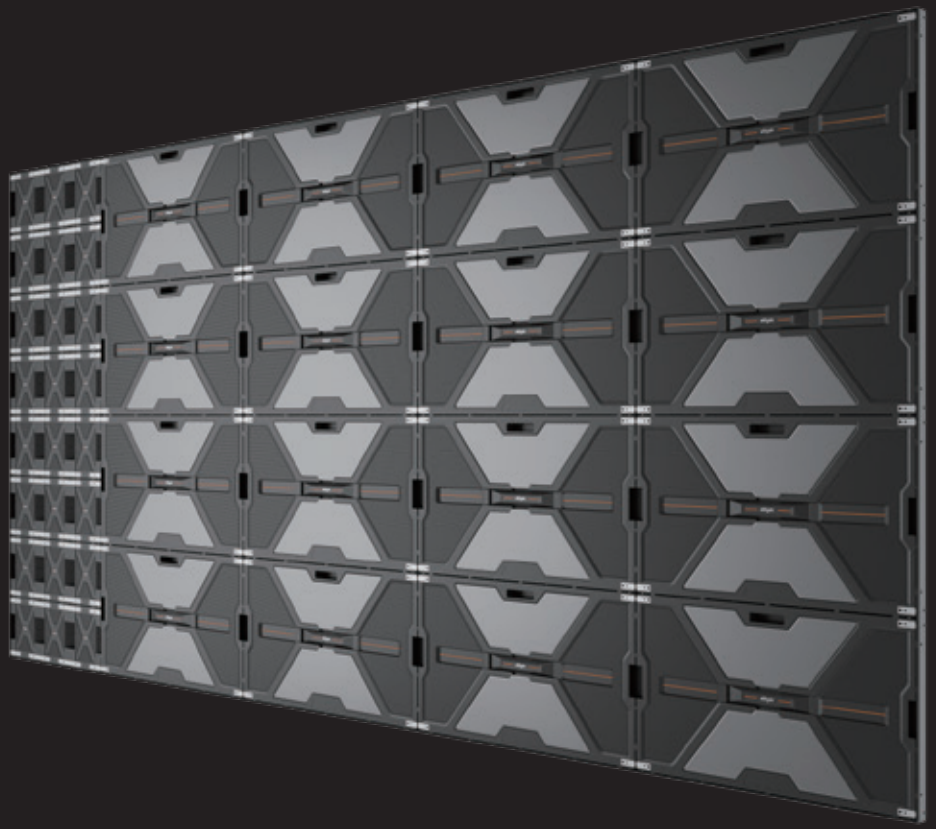
Also provides hanging bar installation and steel structure stacking installation solutions to fit in all use scenarios.

- Suspended with all-black hanging bar

- Floor installtion with steel structure

Ultra-thin and textured trim pieces

Metal spraying ultra-thin standard trim pieces solution for enhanced look and esthetic feeling.

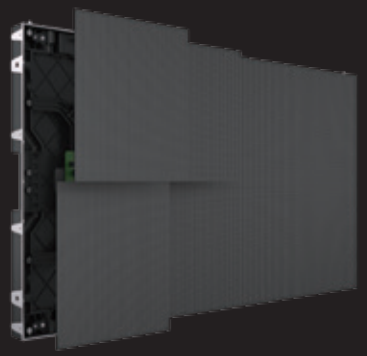


Metal spraying process
Delicate and smooth

5mm thickness
Ultra-thin design

Convenient front / rear maintenance

The innovative rotary clamshell back cover design is very effective, supporting full front/rear maintenance, requires no special maintenance channels, and saves more space. NX series small panel are user-friendly, allowing customers to easily complete front maintenance.



- Front maintenance of module, PSU, receiving card, HUB board, etc.

- Rotary clamshell design for easy rear maintenance

- N-in-1 small panel:
  Front maintenance of module, PSU, receiving card, HUB board.

- Dedicated front maintenance tool

Quality and worry-free choice

It is manufactured in Absen's own factory through a standardized production process, and has obtained multiple certifications, allowing customers to use it without any worries.

Standardized manufacturing process

Every step of the production process is strictly managed to ensure product quality

Strict quality control

18 monitoring procedures
33 recording procedures
29 operating procedures
2,285 inspections and tests

Multiple certifications

Passed CE, ETL, FCC, RoHS, CCC certifications
TÜV Rheinland low blue light certification

Professional service, exceptional experience

Absen has established a worldwide network, enabling the delivery of timely and expert local services.

Comprehensive support

Experience a 2-year warranty, an optional extended 3-year warranty, lifetime maintenance, and access to 10+ professional service solutions designed to help you solve any challenges.

24/7 response

We are available 24/7/365 with a quick response time in as little as 10 seconds.

Global coverage

Benefit from a network of 500+ Absen Certified Partners and 3,000+ Engineers, with a global reach covering most markets. Our service network is continuously expanding.

One-stop service

Experience exclusive and expert support throughout the entire sales process, from pre-sales to post-sales.

Multiple service channels

Providing service via multiple channels such as Hotline, WeChat, WhatsApp, E-mail, and official website to quickly take care of your service needs

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Service channels

Hot line: +86 400-700-3278
WeChat: 13923413428
WhatsApp: 008613923413428

Email: service@absen.com
Official website: www.absen.com

Service time（GMT+8）

24/7 Online Customer Service

V2.1

	Parameters	NX1.2	NX1.5	NX1.8 Normal	NX1.8 High brightness	NX2.5 Normal	NX2.5 High brightness	NX3.7 Normal	NX3.7 High brightness
Physical parameters	LED type	SMD1010	SMD1212	SMD1515	SMD1515	SMD1515	SMD1515	SMD1515	SMD1515
	Pixel pitch (mm)	1.2	1.5	1.87	1.87	2.5	2.5	3.75	3.75
	Panel dimensions (W×H×D, mm)	960×540×43.5 / 960x270x43.5 / 240x540x43.5 / 240x810x43.5 / 240x1080x43.5							
	Panel resolution	768×432	640×360	512×288	512×288	384×216	384×216	256×144	256×144
	Panel weight (kg)	10.5	10.5	10.5	10.5	10.4	10.4	10.3	10.3
	Panel material	Die casting aluminum							
	Module size (W×H, mm)	240×270							
Photoelectric parameters	Brightness (nit)	600	800	800	1500	800	1500	800	1500
	Refresh rate (Hz)	3840							
	Grayscale (bit)	14	16	16	16	16	16	16	16
	Contrast ratio	3500:1	4000:1	4000:1	6000:1	4500:1	7600:1	5200:1	7400:1
	Color temperature (K)	6500							
	Viewing angle (H/V, °)	140/120	150/150	160/160	160/160	160/160	160/160	160/160	160/160
	Drive mode	1/54	1/45	1/36	1/36	1/27	1/27	1/18	1/18
	AC operating voltage(V)	100～240							
	Power consumption (max./avg., W/m²)	420/140	480/160	420/140	606/202	450/150	534/178	480/160	609/203
Application parameters	Storage temperature (℃)	- 40~ + 60							
	Operating temperature (℃)	- 10~ + 40							
	Storage humidity (RH)	10％~85％							
	Operating humidity (RH)	10％~80％							
	IP rating	IP40/IP21							
	LED lifetime (h)	100000							
	Panel maintenance type	Fully front/ rear							
	Panel installation type	Stacking/ wall-mounting/ hanging							
	Certificate	FCC, ETL, CE, RoHS, CCC, TUV							

*Note: It is normal for the power consumption to fluctuate within ±15% due to the influence of the brightness of different batches of lamps. Please refer to the actual situation.

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