

Abgen

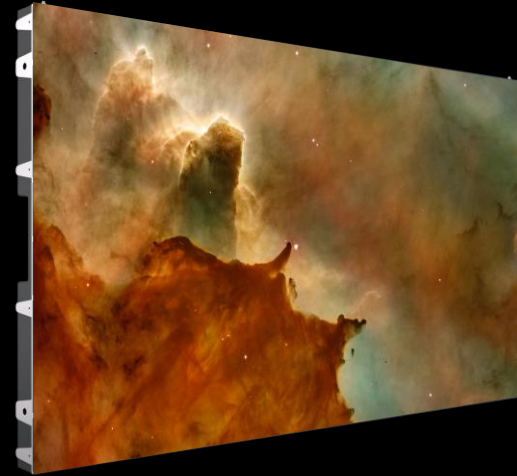
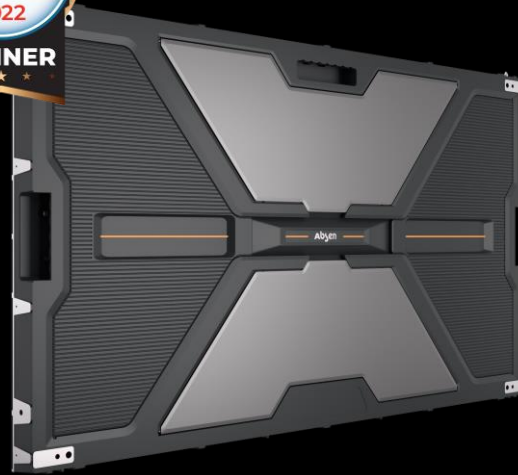
NXX Series

Unparalleled visual experience.



# NX Series

Abgen



**16: 9**  
Aspect ratio



**Quick installation**  
Large cabinet design



**20kg/m<sup>2</sup> 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.\*

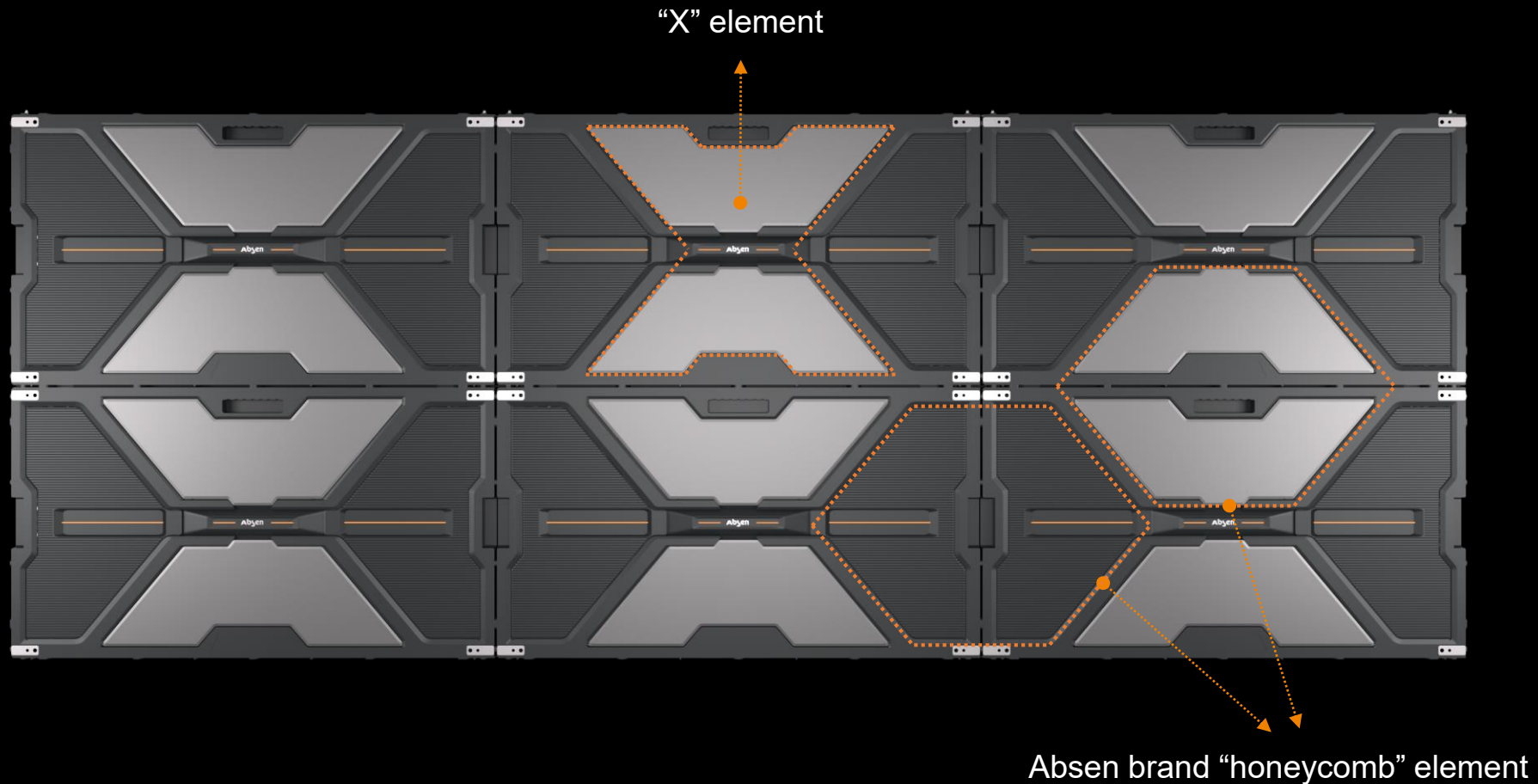
\*NX series won the 2022 Most Innovative Video Display Award from SCN.

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

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

# Striking “X” design

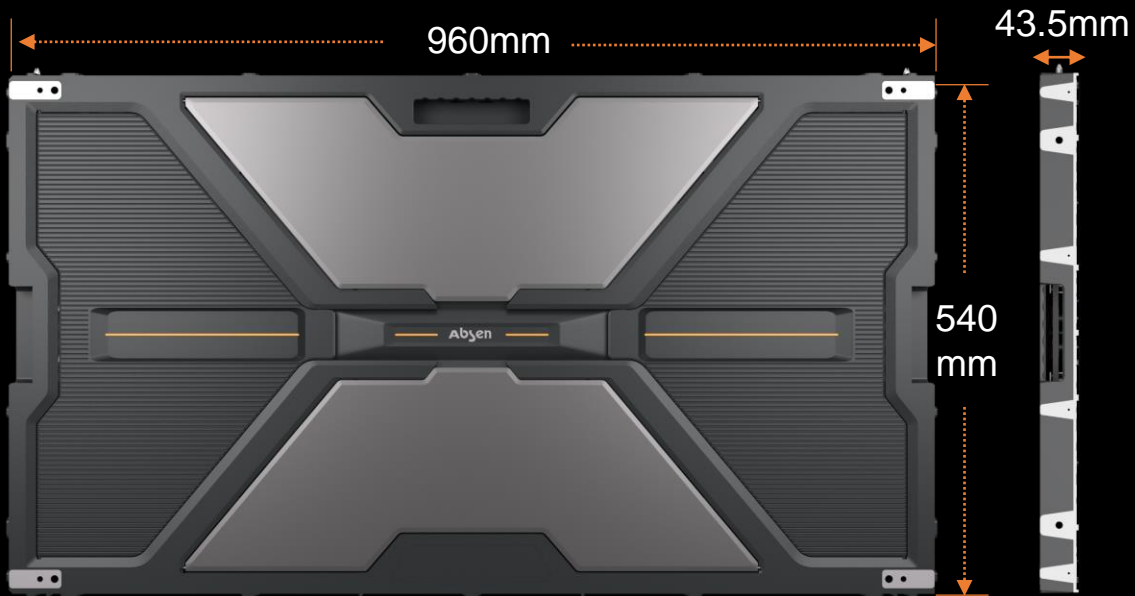
As a symbol of infinite possibilities, letter “X” becomes an exterior design element of the panel, and the Xs will form a “honeycomb”, an Absen brand element. The unique design conveys Absen's confidence in its display expertise and product quality.



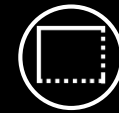
# Ultra-thin and lightweight panel

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16:9 aspect ratio for ideal vision; 43.5mm in thickness and 20kg/m<sup>2</sup> in weight for better experience.



43 inch panel



**16:9**  
Aspect ratio



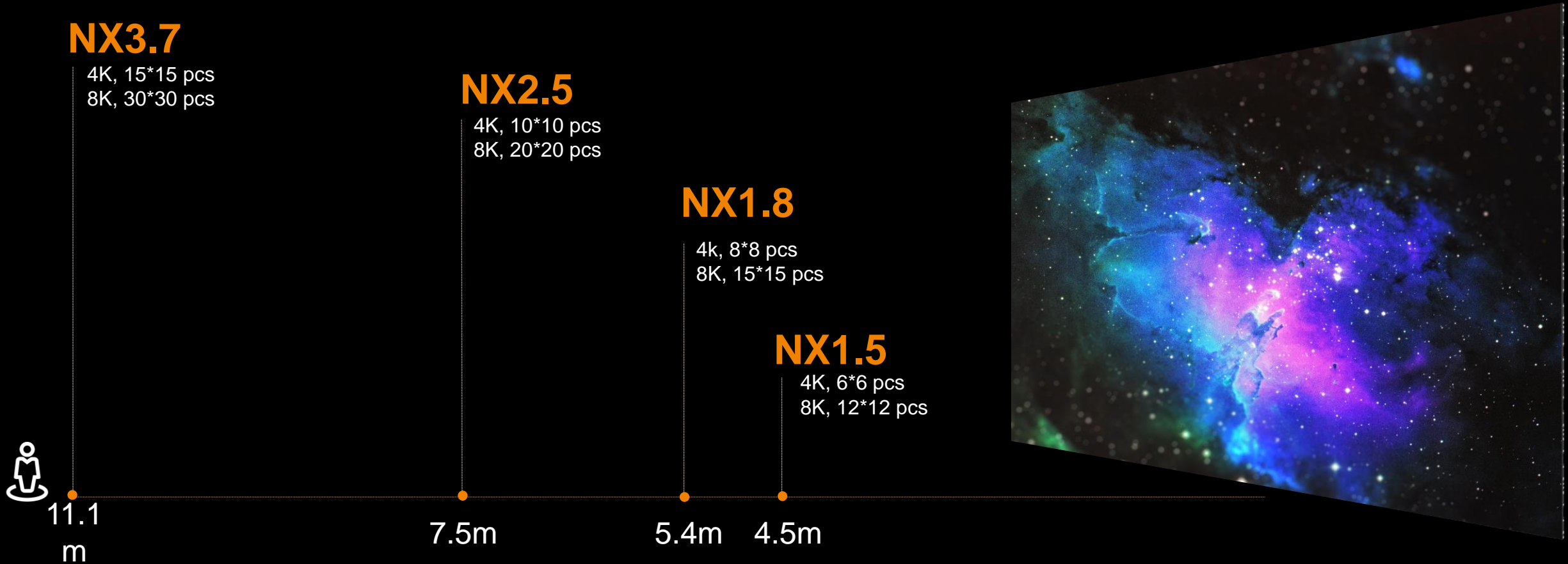
**43.5mm**  
Ultra-thin design



**20kg/m<sup>2</sup>**  
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 NX1.5/2.5/3.7 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

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Dual brightness configurations\*, with brightness up to 800nits 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.

# 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.



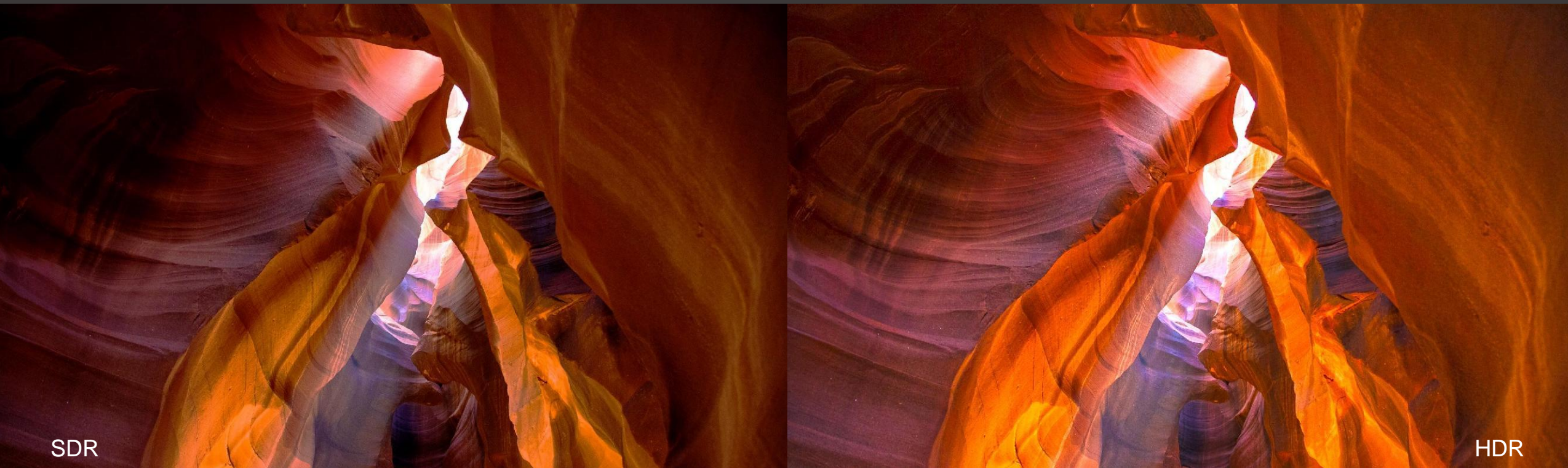
A5C+ calibration technology



# Amazing color management technology

absen

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



SDR

HDR



**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

absen

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

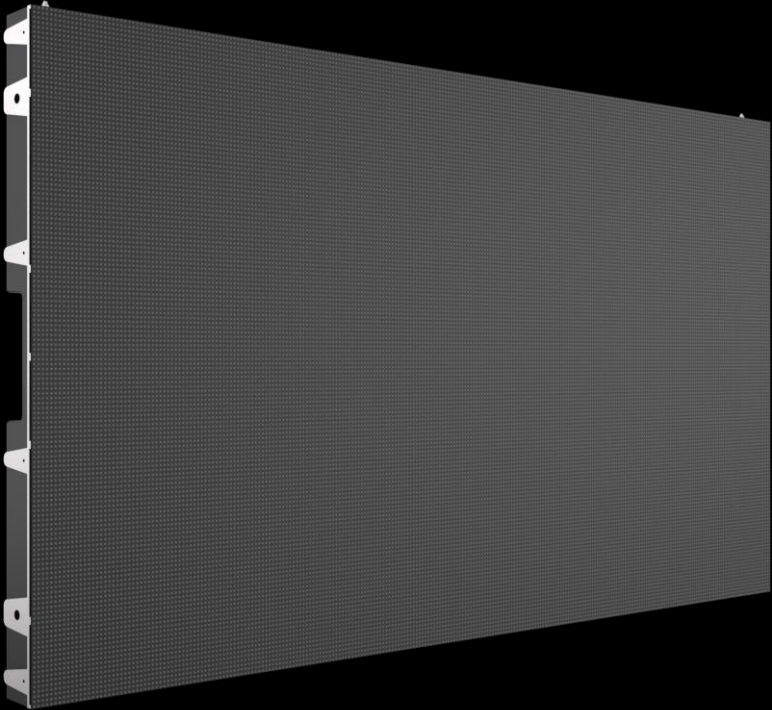


\*The dual backup version of large panel and the 2-in-1 small panel do not support EMC Class B.

# 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

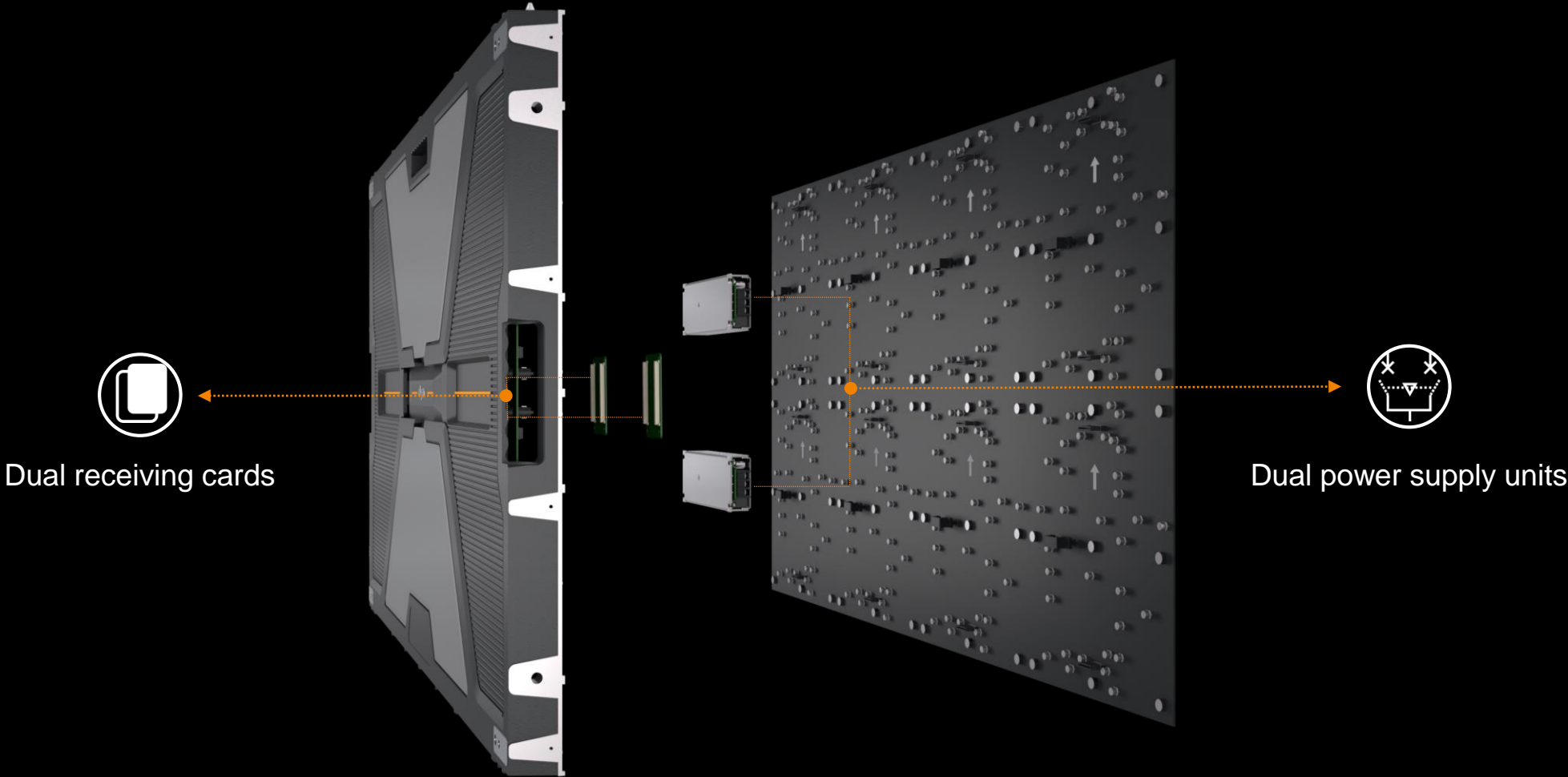


**Reduced by 5°**  
Screen surface temperature

\*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.



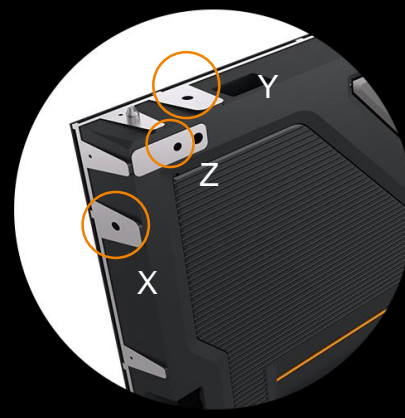
## Precise floating connector

Bright and dark lines  
adjustment between modules



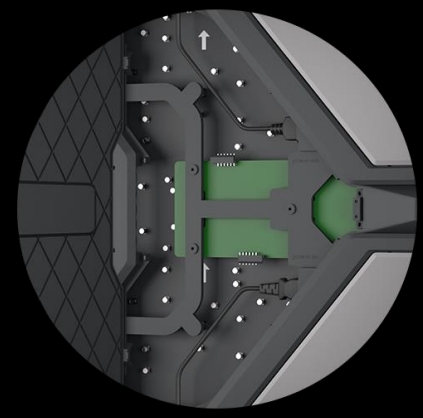
## Positioning copper column

Flatness adjustment between  
modules



## X/Y/Z axis alignment

Flatness adjustment  
between panels



## Hidden wiring design

Tidy and elegant back

# Ergonomic design and easy installation

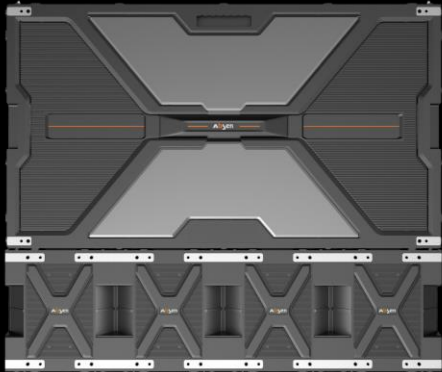


Ergonomic handles and anti-collision design for safe, fast and easy installation.

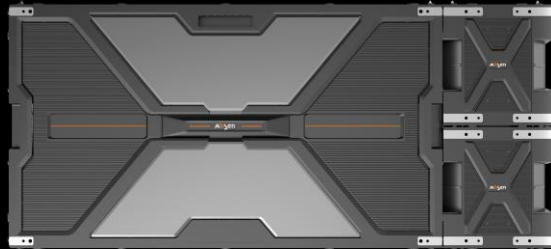


# Flat Screen Solutions

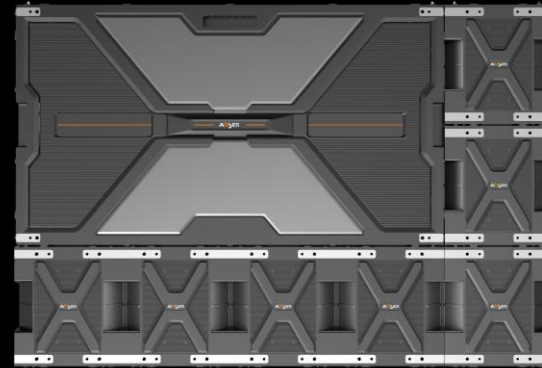
Flexible N-in-1 small panel, enhancing project dimension compatibility



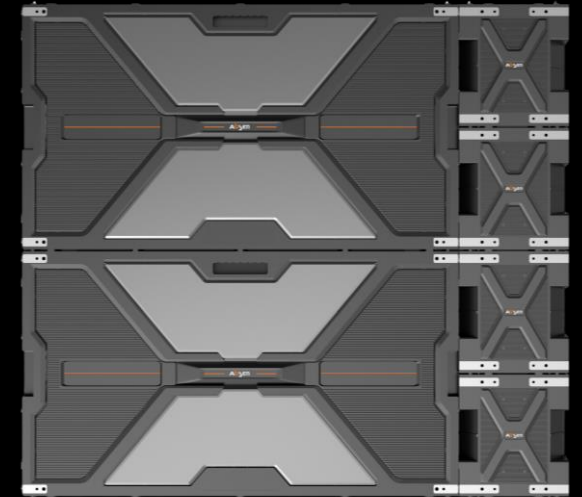
• Large panel+  
horizontal 4-in-1 small panel



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



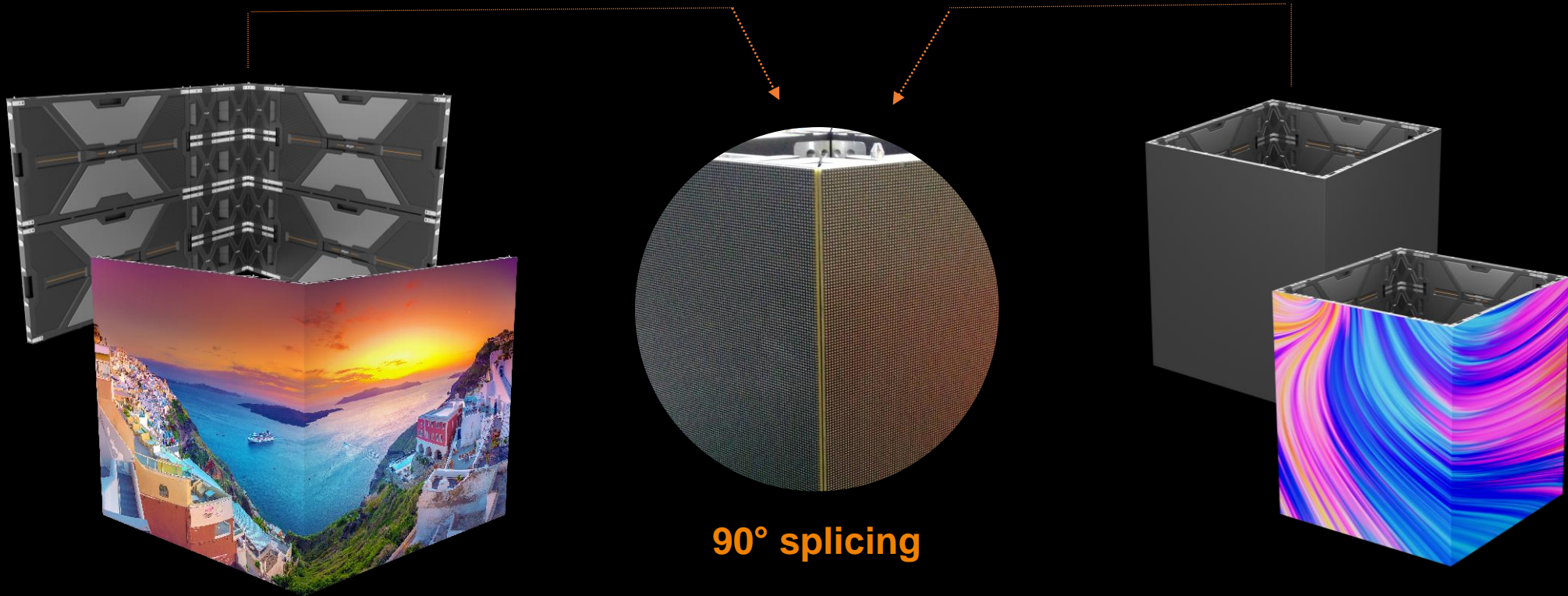
• Large panel+  
portrait 3-in-1 small panel



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

# Elegant L-shaped splicing

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

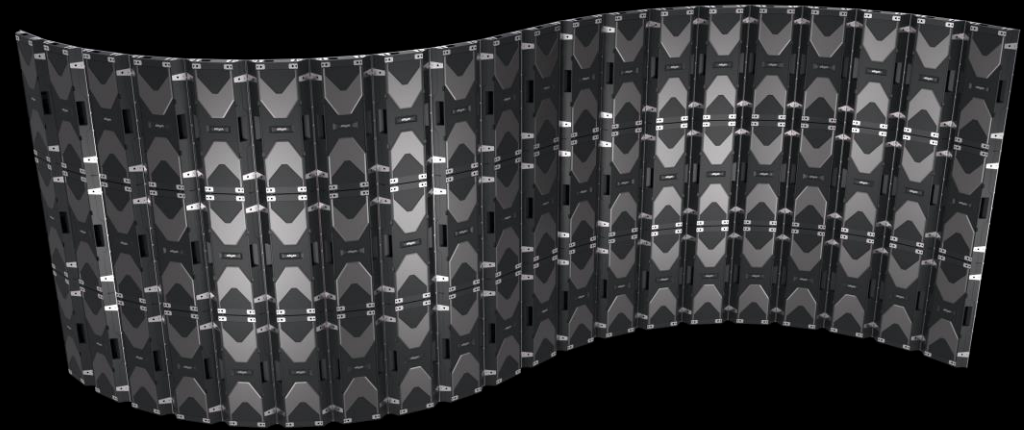


\*The small panel for the right-angle position is divided into left-cut small box and right-cut small box.



# Creative and refined curves

Support concave and convex splicing to meet the various needs of customers.

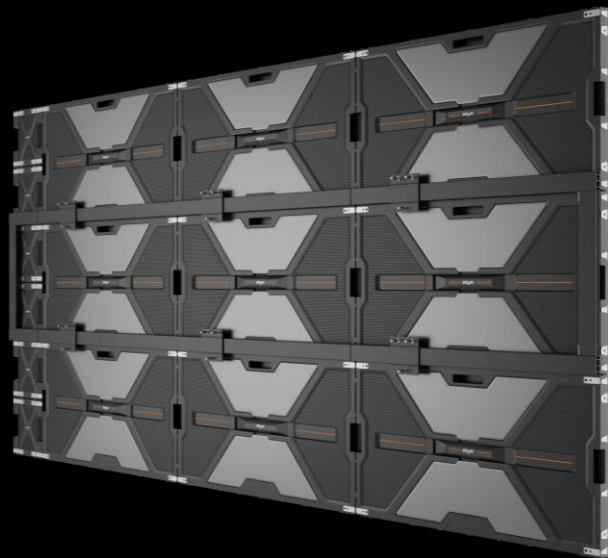


- Artistic wavy splicing with 45° edge-cutting small panels

# Slim standard wall-mounting solution

Abgen

Standard wall-mounting solution with a thickness of less than 80mm, 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.



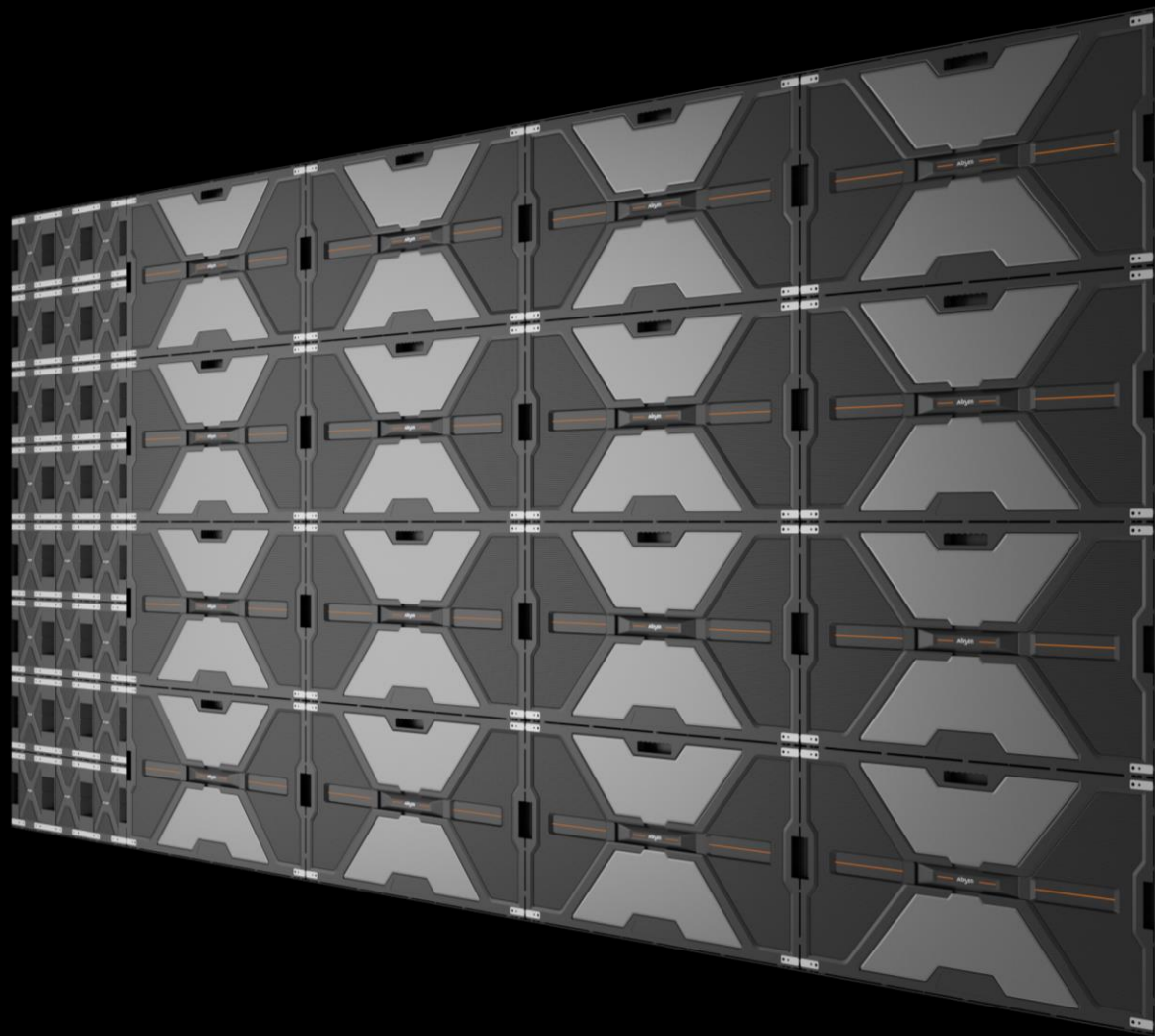
- Suspended with all-black hanging bar



- Floor installation with steel structure

# Ultra-thin and textured trim pieces

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



## Metal spraying process

Delicate and smooth

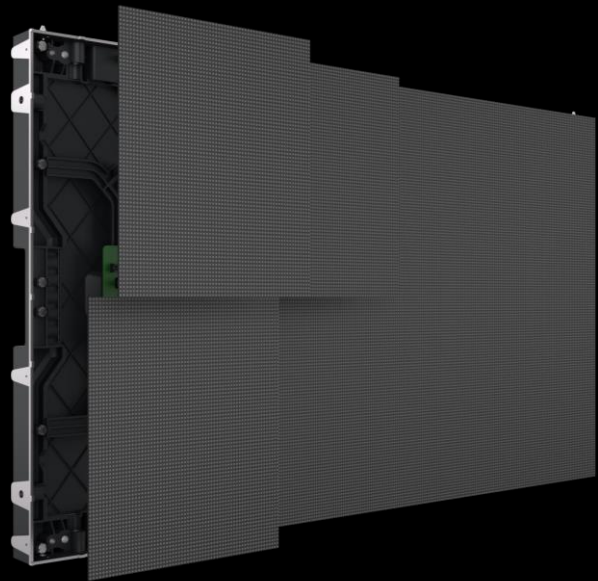


## 5mm thickness

Ultra-thin design

# Convenient full front/rear maintenance for large panels **Abysen**

The innovative rotary clamshell back cover design is very effective, supporting full front/rear maintenance, requires no special maintenance channels, and saves more space.



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



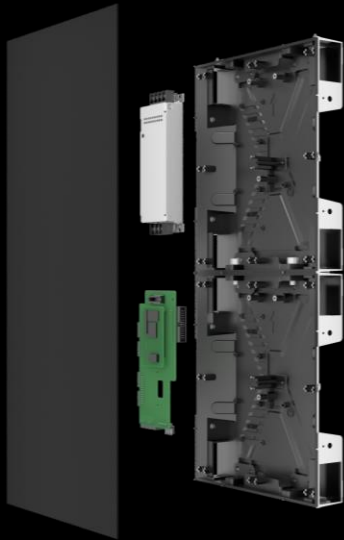
- Rotary clamshell design for easy rear maintenance



- Dedicated front maintenance tool

# Convenient maintenance for small panels

NX series small panel are user-friendly, allowing customers to easily complete rear maintenance.



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



- 45° edge-cutting small panel: Front maintenance of module, PSU, receiving card, HUB board.



- 45° edge-cutting small panel: Rear maintenance of PSU, receiving card, HUB board.

# 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      29 operating procedures  
33 recording procedures      2,285 inspections and tests



## Multiple certifications

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



# For all commercial display applications

AbSen



Mall



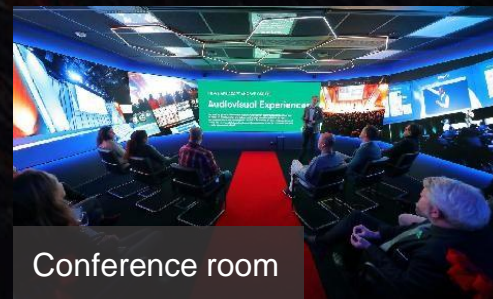
Corporate lobby



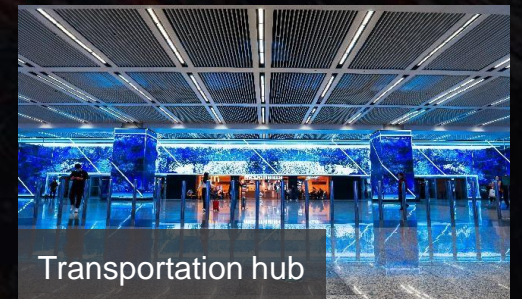
Chain store



Exhibition



Conference room



Transportation hub



Theme park



Casino



# Professional service, best experience

Absen has built up a global network , able to provide prompt and professional local services.



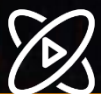
## Comprehensive support

Enjoy 2-year warranty, support up to 3-year extended warranty, lifetime maintenance, and enjoy 10+ items of professional service solutions to help you solve problems



## Global coverage

400+ Absen certified partners, 2,600+ Absen certified engineers, covering most of the global market, the global service network is continuing to expand vigorously



## Multiple service channels

Providing service via multiple channels such as Hot line, WeChat, WhatsApp, E-mail and official website to quickly take care of service requirements



## 24/7 response

24/7/365 available, quick response in 10 seconds



## One-stop service

Enjoy exclusive and professional service in the whole process of pre-sales, sales and after-sales

### Service channels

Hot line: +86 400-700-3278  
WeChat: 13923413428  
WhatsApp: 008613923413428  
Email: [service@absen.com](mailto:service@absen.com)  
Official website: [www.absen.com](http://www.absen.com)

### Service time (GMT+8)

8:30~24:00: Staff service  
00:00~8:30: Intelligent system service

# Absen service philosophy



Initiative. Efficiency. Standardization. Thoughtfulness.

## Initiative

Proactive care and return visits, regular touring inspection services for customers

## Efficiency

Absen customer service center responds within 10 seconds, intelligently match the best local service resources, and enjoy a fast service experience

## Standardization

Comprehensive service engineer training system, ACE professional training and certification, ACP professional certification; establishing customer's product files and record the entire service process

## Thoughtfulness

Longer warranty, worry-free quality

# Parameters



Parameters		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	SMD1212	SMD1515	SMD1515	SMD1515	SMD1515	SMD1515	SMD1515
	Pixel pitch (mm)	1.5	1.87	1.87	2.5	2.5	3.75	3.75
	Panel dimensions (W*H, mm)	960×540×43.5						
	Panel resolution	640×360	512×288		384×216		256×144	
	Pixel weight (kg)	10.5	10.5		10.4		10.3	
	Panel material	Die casting aluminum						
	Module size (W*H, mm)	240×270						
Photoelectric parameters	Brightness (nit)	800	800	1500	800	1500	800	1500
	Refresh rate (Hz)	3840						
	Grayscale (bit)	16 bit (Internal processing 16bit, hardware up to 14bit)						
	Contrast ratio	4000:1	4000:1	6000:1	4500:1	7600:1	5200:1	7400:1
	Color temperature (K)	6500						
	Viewing angle (H/V, °)	150/150	160/160	160/160	160/160	160/160	160/160	160/160
	Drive mode	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/m <sup>2</sup> )	480/160	420/140	606/202	450/150	534/178	480/160	609/203
Application parameters	Storage temperature (°C)	- 40~ + 60						
	Operating temperature (°C)	- 10~ + 40						
	Storage humidity (RH)	10% ~85%						
	Operating humidity (RH)	10% ~80%						
	IP rating	IP40/IP21						
	Certificate	FCC, ETL, CE, RoHS, CCC, TUV						

Thank You