Unparalleled visual experience.

NX Series

Absen
Trusted LED Supplier
16:9
Aspect ratio

HDR
Image processing technology

HDR10 (optional)

1500 nits (optional)
High brightness version

EMC Class B
Civil use level

45° small panel
Creative shape

44 lbs/m² 1.71"
Lightweight and ultra-thin

Precise floating connector
Bright and dark lines adjustment

Front/rear maintenance
Module, PSU, receiving card, etc.
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/m² in weight for better experience.

Superior 4K/8K visual experience

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

**nx3.7**
- 4K, 15×15 pcs, 3840x2160 px
- 8K, 30×30 pcs, 7680x4320 px

**nx2.5**
- 4K, 10×10 pcs, 3840x2160 px
- 8K, 20×20 pcs, 7680x4320 px

**nx1.8**
- 4K, 8×8 pcs, 4096x2304 px
- 8K, 15×15 pcs, 7680x4320 px

**nx1.5**
- 4K, 6×6 pcs, 3840x2160 px
- 8K, 12×12 pcs, 7680x4320 px

*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.
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

16bit High grayscale and fine image
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.
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
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% in Standby state
- Energy saving 20% in Working state
- Reduced by 5° in 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.
Flexible 45° edge-cutting small panel

Special 45° edge-cutting small panel provides more possibilities for creativity.

- 45° edge-cutting small panel (Default 45° angle on both sides)

- 2-in-1 small panel (With one PSU and one receiving card)
Creative and refined curves

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

- Flat screen with large panels + curve splicing with small panels
- Artistic wavy splicing with small panels
Elegant L-shaped splicing

The small panels can make a right angle to create stunning L-shapes.
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.
Slim standard wall-mounting solution

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

<table>
<thead>
<tr>
<th>Thickness of backing strip</th>
<th>Total thickness with panels</th>
</tr>
</thead>
<tbody>
<tr>
<td>21mm (0.83&quot;)</td>
<td>80mm (3.15&quot;)</td>
</tr>
</tbody>
</table>

Flexible backing strip solution

<table>
<thead>
<tr>
<th>Thickness of frame kit</th>
<th>Total thickness with panels</th>
</tr>
</thead>
<tbody>
<tr>
<td>23.5mm (0.93&quot;)</td>
<td>70mm (2.76&quot;)</td>
</tr>
</tbody>
</table>

Standard 960*540mm(37.80*21.26"), 240*540mm(9.45*21.26"), 240*1080mm(9.45*42.52") 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 esthetic feeling.

- Metal spraying process
  Delicate and smooth

- 5mm 0.20" thickness
  Ultra-thin design
Convenient full front / rear maintenance

NX Series supports full front maintenance, requires no special maintenance channels, and saves more space. Additionally, the NX series features an innovative rotary clamshell back cover design, enabling easy rear maintenance.

- Front maintenance of module, PSU, receiving card, HUB board, etc.
- Dedicated front maintenance tool
- Rear maintenance of module, PSU, receiving card, HUB board, etc.
- Rear maintenance of PSU, receiving card
- Rotary clamshell design for easy rear maintenance
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, CB, CCC certifications
  - TÜV Rheinland low blue light certification
Professional service, best experience

Absen's philosophy is initiative, efficiency, standardization and thoughtfulness. 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

<table>
<thead>
<tr>
<th>Service time (GMT+8)</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:30 AM-5:30 PM EST</td>
</tr>
</tbody>
</table>

Hot line: 8668722736
Email: Tech.support@usabsen.com
Official website: www.usabsen.com
<table>
<thead>
<tr>
<th>Parameters</th>
<th>NX1.5</th>
<th>NX1.8 Normal</th>
<th>NX1.8 High brightness</th>
<th>NX2.5 Normal</th>
<th>NX2.5 High brightness</th>
<th>NX3.7 Normal</th>
<th>NX3.7 High brightness</th>
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</thead>
<tbody>
<tr>
<td><strong>LED type</strong></td>
<td>SMD1212</td>
<td>SMD1515</td>
<td>SMD1515</td>
<td>SMD1515</td>
<td>SMD1515</td>
<td>SMD1515</td>
<td>SMD1515</td>
</tr>
<tr>
<td><strong>Pixel pitch (mm)</strong></td>
<td>1.5</td>
<td>1.87</td>
<td>1.87</td>
<td>2.5</td>
<td>2.5</td>
<td>3.75</td>
<td>3.75</td>
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<tr>
<td><strong>Panel dimensions (W×H×D, mm)</strong></td>
<td>960×540×43.5mm (37.80×21.26×1.71&quot;)</td>
<td>240×540×43.5mm (9.45×21.26×1.71&quot;)</td>
<td></td>
<td></td>
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<td></td>
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</tr>
<tr>
<td><strong>Panel resolution</strong></td>
<td>640×360/160×360</td>
<td>512×288/128×288</td>
<td>384×216/96×216</td>
<td>256×144/64×144</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Panel weight (kg)</strong></td>
<td>10.5/2.6</td>
<td>10.5/2.6</td>
<td>10.4/2.6</td>
<td>10.3/2.6</td>
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<td></td>
<td></td>
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<tr>
<td><strong>Panel material</strong></td>
<td></td>
<td></td>
<td>Die casting aluminum</td>
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<td></td>
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<tr>
<td><strong>Module size (W×H, mm)</strong></td>
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<td></td>
<td>240×270</td>
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<td></td>
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<tr>
<td><strong>Brightness (nit)</strong></td>
<td>800</td>
<td>800</td>
<td>1500</td>
<td>800</td>
<td>1500</td>
<td>800</td>
<td>1500</td>
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<tr>
<td><strong>Refresh rate (Hz)</strong></td>
<td></td>
<td></td>
<td>3840</td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Grayscale (bit)</strong></td>
<td></td>
<td></td>
<td>16bit (Internal processing 16bit)</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td><strong>Contrast ratio</strong></td>
<td>4000:1</td>
<td>4000:1</td>
<td>6000:1</td>
<td>4500:1</td>
<td>7600:1</td>
<td>5200:1</td>
<td>7400:1</td>
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<tr>
<td><strong>Color temperature (K)</strong></td>
<td></td>
<td></td>
<td>6500</td>
<td></td>
<td></td>
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<tr>
<td><strong>Drive mode</strong></td>
<td>1/45</td>
<td>1/36</td>
<td>1/36</td>
<td>1/27</td>
<td>1/27</td>
<td>1/18</td>
<td>1/18</td>
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<tr>
<td><strong>AC operating voltage(V)</strong></td>
<td></td>
<td></td>
<td>100~240</td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td><strong>Power consumption (max./avg., W/m²)</strong></td>
<td>480/160</td>
<td>420/140</td>
<td>606/202</td>
<td>450/150</td>
<td>534/178</td>
<td>480/160</td>
<td>609/203</td>
</tr>
</tbody>
</table>

*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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