Sapphire Platform.
LED Display Re-defined.

The ROE Visual Sapphire is the first Narrow Pixel Pitch (NPP) LED panel platform that combines outstanding visual brilliance with a clever assembly system.

Designed to meet high performance standards while using a small pixel pitch, Sapphire’s unique system of intersecting frames allows for maximum creativity and ease-of-assembly.

Seamless assembly through system of intersecting layers, allowing for various creative solutions. Creating a single solid assembly that uses less hardware and applies less force to the individual panels. Keeping to an aspect ratio of 16:9 in all configurations.

The unique concept of separating the frames from the actual LED panels saves valuable production time and offer cost-effective renting. The Sapphire platform can be used in a wide range of indoor applications and hence accommodates both rental and fixed uses.

### Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Sapphire SP1.5</th>
</tr>
</thead>
<tbody>
<tr>
<td>Panel Resolution (H x V)</td>
<td>320 x 180</td>
</tr>
<tr>
<td>Panel Weight (kg)</td>
<td>4.5</td>
</tr>
<tr>
<td>Panel Weight (lbs)</td>
<td>9.9</td>
</tr>
<tr>
<td>Panel Weight (per m²)</td>
<td>33.0</td>
</tr>
<tr>
<td>Panel Weight (per ft²)</td>
<td>6.7</td>
</tr>
<tr>
<td>Power Consumption (W)</td>
<td>100</td>
</tr>
<tr>
<td>Power Consumption (BTU)</td>
<td>341</td>
</tr>
<tr>
<td>Frame 2 x 2 Dimension (mm)</td>
<td>988.8 x 556.2</td>
</tr>
<tr>
<td>Frame 2 x 2 Weight (lbs)</td>
<td>24.6</td>
</tr>
<tr>
<td>Frame 1 x 2 Dimension (mm)</td>
<td>494.4 x 556.2</td>
</tr>
<tr>
<td>Frame 1 x 2 Weight (lbs)</td>
<td>14.1</td>
</tr>
<tr>
<td>Combined Panels + Frame Weight (lbs/m²)</td>
<td>10.7</td>
</tr>
</tbody>
</table>

### Notes:

- The specifications are for reference, actual values may vary.
- Conventional wall system cannot be used with the ROE Sapphire platform.
- Separate panel system and complementary accessories are used, sufficient belief is applied and do an indoor solution. No climbing is allowed.
- Compliance to different configurations, in all configurations.

### Dimensions

- **Conventional LED Wall**
- **ROE Sapphire Platform**
SAPPHIRE LED PANEL. HIGHLY CONFIGURABLE, LASER SHARP (PIXEL PITCH 1.5MM)

Expanded Creative Design

Sapphire’s distinctive installation concept, using intersecting frames, supports a wide range of design and installation options, like rectangular, trapezium or other creative shapes, without the need for additional hardware.

High Resolution Platform

Sapphire is a high-resolution platform that accommodates multiple resolution types within the same hardware frames. The current Sapphire panel has a resolution of 1.5mm with pixel pitch variations of 2.5mm. Future Sapphire iterations will focus on pitches between 0.9 and 2.0mm.

Unique Concept

Use of separate frames and panels allows for more efficient use of production time and cost-effective allocation of panels. Frames can be built first and panels added at a later stage, guarding valuable electronics during hardware set-up.

Easy Panel Access

Sapphire’s integrated ejection motor allows easy panel removal from frames in any position. The modular LED panels are relatively small and lightweight making them easy to handle and store.

Intersecting Frames

Sapphire offers seamless assembly through its system of intersecting layers, an improvement over traditional rows and columns, removing vertical break lines creating a single solid assembly that uses less hardware and applies less force to the individual panels.

Indoor use

Narrow pixel pitch offers outstanding visual brilliance

Pixel pitch SP1.5 1.55mm

Saves production time due to separate frames and panels

Expanded Creative Design

Sapphire’s distinctive installation concept, using intersecting frames, supports a wide range of design and installation options, like rectangular, trapezium or other creative shapes, without the need for additional hardware.

High Resolution Platform

Sapphire is a high-resolution platform that accommodates multiple resolution types within the same hardware frames. The current Sapphire panel has a resolution of 1.5mm with pixel pitch variations of 2.5mm. Future Sapphire iterations will focus on pitches between 0.9 and 2.0mm.

Unique Concept

Use of separate frames and panels allows for more efficient use of production time and cost-effective allocation of panels. Frames can be built first and panels added at a later stage, guarding valuable electronics during hardware set-up.

Easy Panel Access

Sapphire’s integrated ejection motor allows easy panel removal from frames in any position. The modular LED panels are relatively small and lightweight making them easy to handle and store.

Intersecting Frames

Sapphire offers seamless assembly through its system of intersecting layers, an improvement over traditional rows and columns, removing vertical break lines creating a single solid assembly that uses less hardware and applies less force to the individual panels.