Stable Perfect Performance

What's the critical point to the Virtual Production solution? Stunning in-camera visual and stable using experience. ROE Visual chose 1010 Flip Chip and 1212 Black LEDs that offer a better LED solution with higher brightness and better color presentation. Less heat dissipation and higher refresh rate give a stable and impressive performance.

Advanced LED Technology for Virtual Production Purposes

How to comprise the latest technology into an advanced LED panel and translate that to an outstanding performance? ROE Visual has done just that. The Ruby LED panels are a new generation of LED panels equipped with features that are beneficial for any studio of film related environment.

Specifications

<table>
<thead>
<tr>
<th>Ruby</th>
<th>RB1.5F</th>
<th>RB1.9B</th>
</tr>
</thead>
<tbody>
<tr>
<td>Panel Weight</td>
<td>8.46kg</td>
<td>8.8kg</td>
</tr>
<tr>
<td>Power Consumption Max</td>
<td>250W</td>
<td>160W</td>
</tr>
<tr>
<td>BTU Max</td>
<td>853</td>
<td>546</td>
</tr>
<tr>
<td>Panel Resolution (H x V)</td>
<td>320 x 320</td>
<td>256 x 256</td>
</tr>
<tr>
<td>Transparency</td>
<td>Solid</td>
<td>Solid</td>
</tr>
<tr>
<td>Serviceability</td>
<td>Front / Rear</td>
<td>Front / Rear</td>
</tr>
<tr>
<td>Curving (Concave &amp; Convex)</td>
<td>*1 Concave 5°~Convex 3°</td>
<td>Concave 5°~Convex 3°</td>
</tr>
<tr>
<td>Max. Hanging (panels)</td>
<td>*2 20</td>
<td>20</td>
</tr>
<tr>
<td>Max. Stacking (panels)</td>
<td>*3 12</td>
<td>12</td>
</tr>
<tr>
<td>Frame Material</td>
<td>Magnesium Alloy</td>
<td>Magnesium Alloy</td>
</tr>
<tr>
<td>Processing Platform</td>
<td>MVR / Brompton</td>
<td>MVR / Brompton</td>
</tr>
<tr>
<td>Operational Temp / Humidity</td>
<td>-20°<del>45°C, 10</del>90%RH</td>
<td>-20°<del>45°C, 10</del>90%RH</td>
</tr>
<tr>
<td>Storage Temp / Humidity</td>
<td>-40°<del>60°C, 10</del>90%RH</td>
<td>-40°<del>60°C, 10</del>90%RH</td>
</tr>
<tr>
<td>IP Rating</td>
<td>Indoor</td>
<td>Indoor</td>
</tr>
<tr>
<td>Certifications</td>
<td>CE, ETL, FCC, RoHS</td>
<td>CE, ETL, FCC, RoHS</td>
</tr>
<tr>
<td>3D Ready</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>

*Notes: The Specifications are for reference, actual values may vary.
*1. Convex curving ability only applies to custom tiles.
*2. The max. hanging amount is only valid when the ROE Visual hanging bar and complementary accessories are used and in an indoor situation, safety factor is 8. No climbing is allowed.
*3. The max. stacking amount is only valid when the ROE Visual stacking system and complementary accessories are used and sufficient ballast is applied. No climbing is allowed.

Dimensions

- **Width**: 500mm
- **Height**: 500mm
- **Depth**: 73mm

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for Virtual Production Purposes

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www.roevisual.com

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Unprecedented Viewing Angle
The absence of any mask enables an unprecedented wide viewing angle. With its high-brightness LED performance, the Ruby panels give an excellent visual performance for both direct viewing and in-camera visuals.

Automatic Edge Protection
The Ruby LED panels incorporate automatic edge-protection on each panel corner, thereby reducing pixel damage drastically. The magnet-assisted assembly and vertically operated side locks with 2-axis correction make assembly quick, accurate and easy.

Easy Maintenance
With both front and rear module service, the Ruby panels are easy to maintain. The integrated PSU and hub unit make repair and replacement of spare parts easy and cost-effective.

A Multitude of Shades of Black Coming Alive
With its incredible 16-bit grayscale ability, pristine imagery showing black shades in scales and fluent gradients.

The New Standard for Stunning Visuals
Your virtual background, Visualised better than ever before

Details that Matter
The well-chosen LEDs are perfect for the Virtual Production solutions, including film shooting, and broadcasting. With its high contrast, high brightness and wide viewing angle, the Ruby panels give an excellent visual performance for both direct viewing and in-camera visuals.

The New Standard for Stunning Visuals
HDR supported LED technology
High Brightness
Modular design
PSU and HUB combined in one unit
Front and rear module service
Automatic edge-protection
Curving Options
Right Angle
SMD 1212 Black1515 Flip Chip
A Multitude of Shades of Black Coming Alive
Easy Maintenance
HDR
Your virtual background, Visualised better than ever before
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