

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 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.

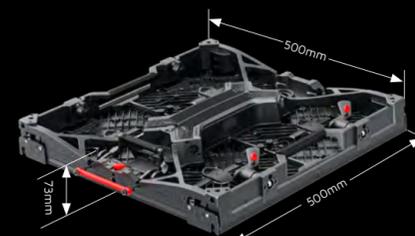
Specifications

| Ruby | RB1.5F V2 | RB1.9B V2 |
|---------------------------------|--|--|
| Pixel Pitch | 1.56mm | 1.95mm |
| Max Brightness Calibrated | 1000nits | 1500nits |
| Panel Dimension | 500mm x 500mm x 73mm 19.7" x 19.7" x 2.87" | 500mm x 500mm x 73mm 19.7" x 19.7" x 2.87" |
| Panel Resolution (H x V) | 320 x 320 | 256 x 256 |
| Panel Weight | 9.06kg; 19.97lbs | 9.2kg; 20.29lbs |
| Power Consumption Max / Average | 240W / 120W | 160W / 80W |
| BTU Max / Average | 820 / 375 | 545 / 250 |
| Transparency | Solid | Solid |
| Serviceability | Front / Rear | Front / Rear |
| Curving (Concave & Convex) *1 | Concave 5°-Convex 3° | Concave 5°-Convex 3° |
| Max. Hanging (panels) *2 | 20 | 20 |
| Max. Stacking (panels) *3 | 12 | 12 |
| LED Configuration | 1010 Flip Chip | SMD 1212 Black |
| Viewing Angle Horizontal | 140° | 140° |
| Viewing Angle Vertical | 140° | 140° |
| Scan Ratio | 1/10 | 1/8 |
| Refresh Rate | 7680Hz | 7680Hz |
| Gray Scale | 16bit | 16bit |
| Frame Material | Magnesium Alloy | Magnesium Alloy |
| Processing Platform | MVR / Brompton | MVR / Brompton |
| Operational Temp / Humidity | -20°-45°C, 10-90%RH -4°-113°F, 10-90%RH | -20°-45°C, 10-90%RH -4°-113°F, 10-90%RH |
| Storage Temp / Humidity | -40°-60°C, 10-90%RH -40°-140°F, 10-90%RH | -40°-60°C, 10-90%RH -40°-140°F, 10-90%RH |
| IP Rating | Indoor | Indoor |
| Certifications | CE, ETL, FCC, RoHS | CE, ETL, FCC, RoHS |
| 3D Ready | Yes | Yes |

*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, sufficient ballast is applied and in an indoor situation. No climbing is allowed.

Dimensions



www.roevisual.com

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ROE
 CREATIVE DISPLAY



Ruby 1.5F V2 & 1.9B V2

Ideal for Virtual Production Solutions

INDOOR LED PANELS



**Your virtual background,
Visualised better than ever before**



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

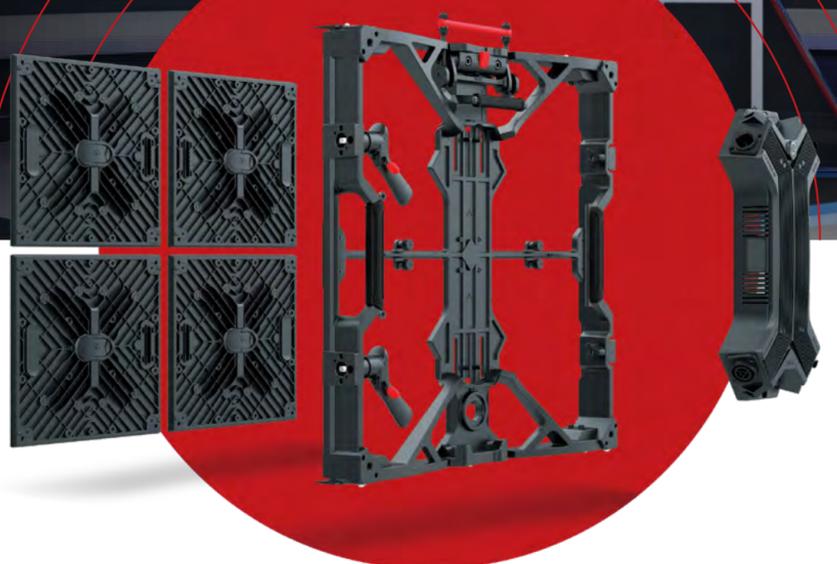
The Ruby LED panels incorporate automatic edge-protection on each panel corner, thereby reducing pixel damage drastically. The magnet-assisted assembly and vertically operated side locks with Z-axis correction make assembly quick, accurate and easy.



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.

**The New Standard
for Stunning
Visuals**



**A Multitude of Shades of
Black Coming Alive**

With its incredible 16-bit gray scale Ruby offers precision imagery, showing black in endless scales and fluent gradients.



High
Brightness

HDR

Modular design
PSU and HUB
combined in
one unit

Front and rear
module service

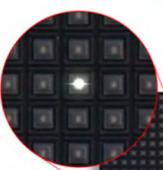
Automatic edge-
protection

Right
Angle

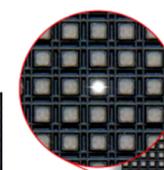
Curving
Options

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.



1010 Flip Chip



SMD 1212 Black

