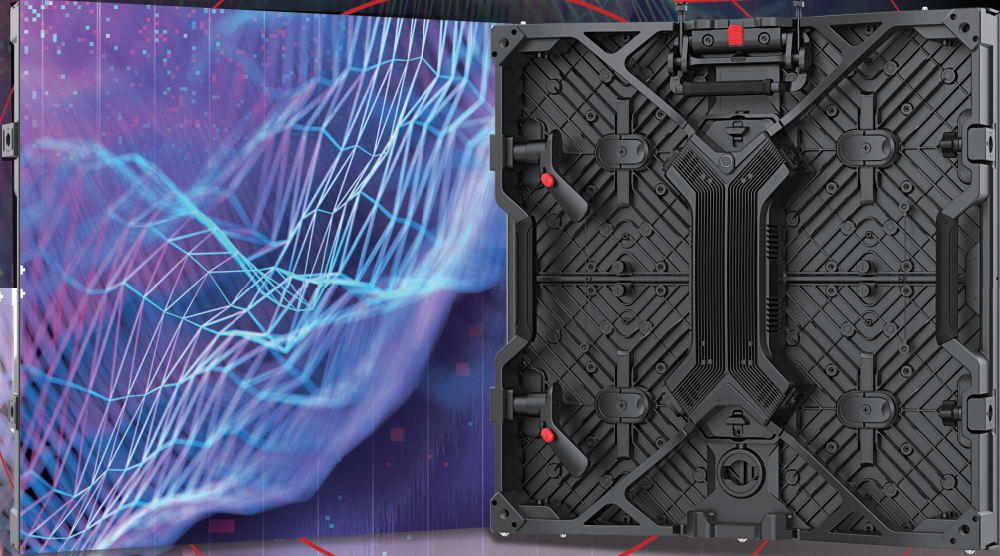


Simply Stunning

Only the best is good enough. Looking for a dedicated LED type for in-camera purposes, ROE Visual has developed the 1.9 Flip Chip LED, exclusively available for Ruby. Stronger, less reflection and more contrast due to an optimized black body, the resulting colors are striking.



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Advanced LED Technology for Film-centric Purposes

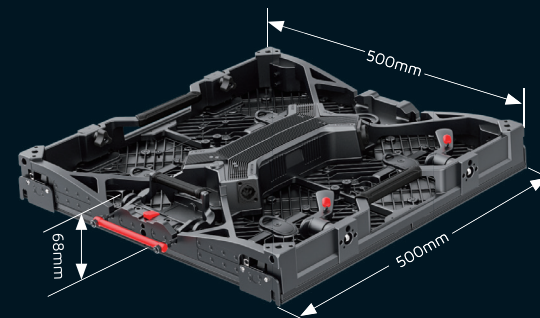
How to comprise the latest technology into an advanced LED panel and translate that to an outstanding performance? ROE Visual has done just that. The Ruby LED panels are a new generation of LED panels equipped with features that are beneficial for any studio of film related environment.

Specifications

Ruby	RB1.5F	RB1.9F
Pixel Pitch	1.56mm	1.95mm
Max Brightness Calibrated	1000nits	1100nits
Panel Dimension	500mm x 500mm x 71mm 19.7" x 19.7" x 2.8"	500mm x 500mm x 70mm 19.7" x 19.7" x 2.76"
Panel Resolution (H x V)	320 x 320	256 x 256
Panel Weight	9.06kg; 19.97lbs	8.6kg; 18.96lbs
Power Consumption Max / Average	240W / 120W	240W / 120W
BTU Max / Average	819 / 377	819 / 377
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	10	10
LED Configuration	1010 flip chip	1010 flip chip
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

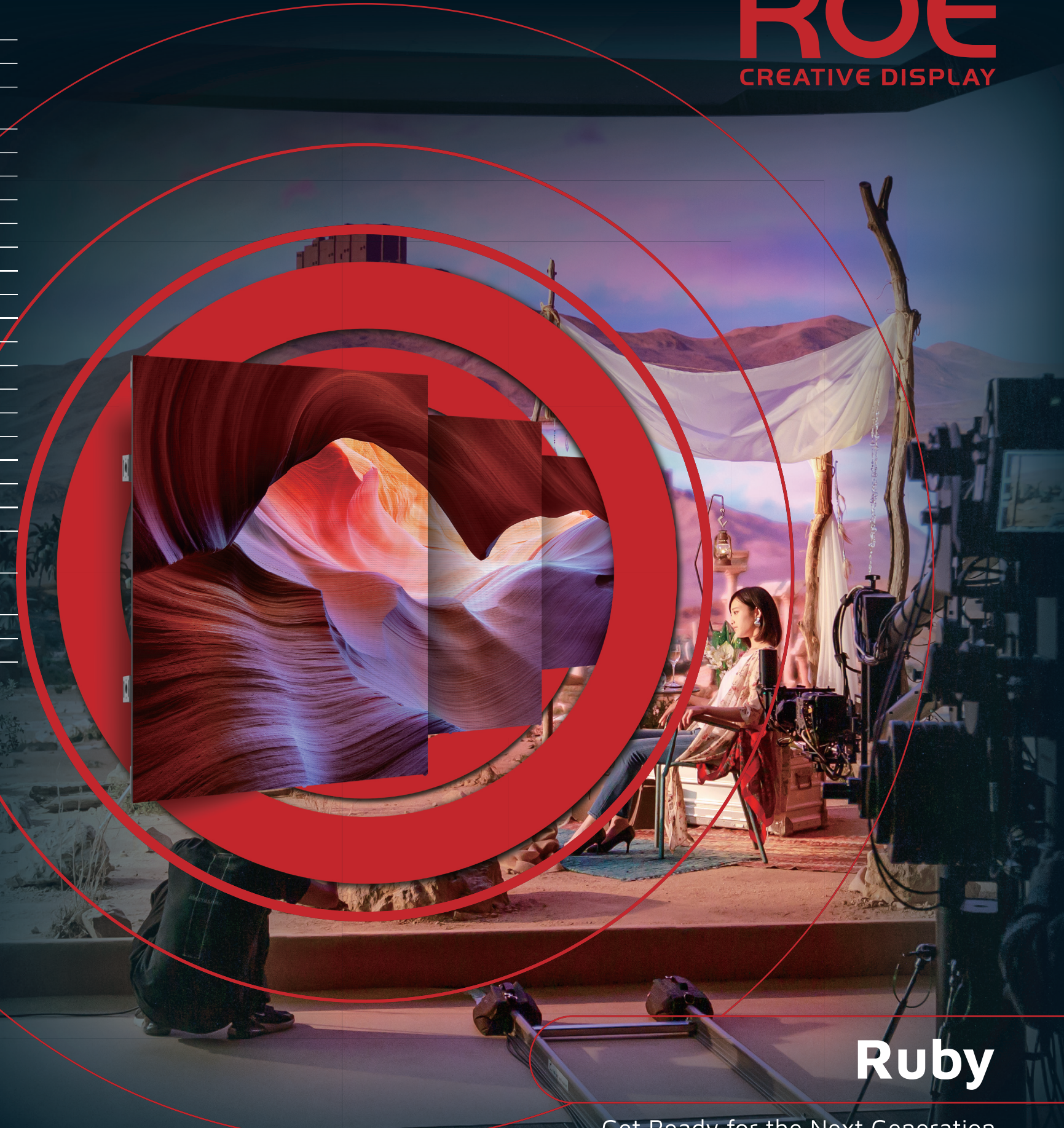
*Notes: The Specifications are for reference, actual values may vary.
 1. Convex curving ability only applies to custom tiles.
 2. The max. hanging amount is only valid when the ROE Visual hanging bar and complementary accessories are used and in an indoor situation, safety factor is 8. No climbing is 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@roevisual.com | roe@roevisual.com | roe@roevisual.com



Ruby

Get Ready for the Next Generation

INDOOR LED PANELS



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

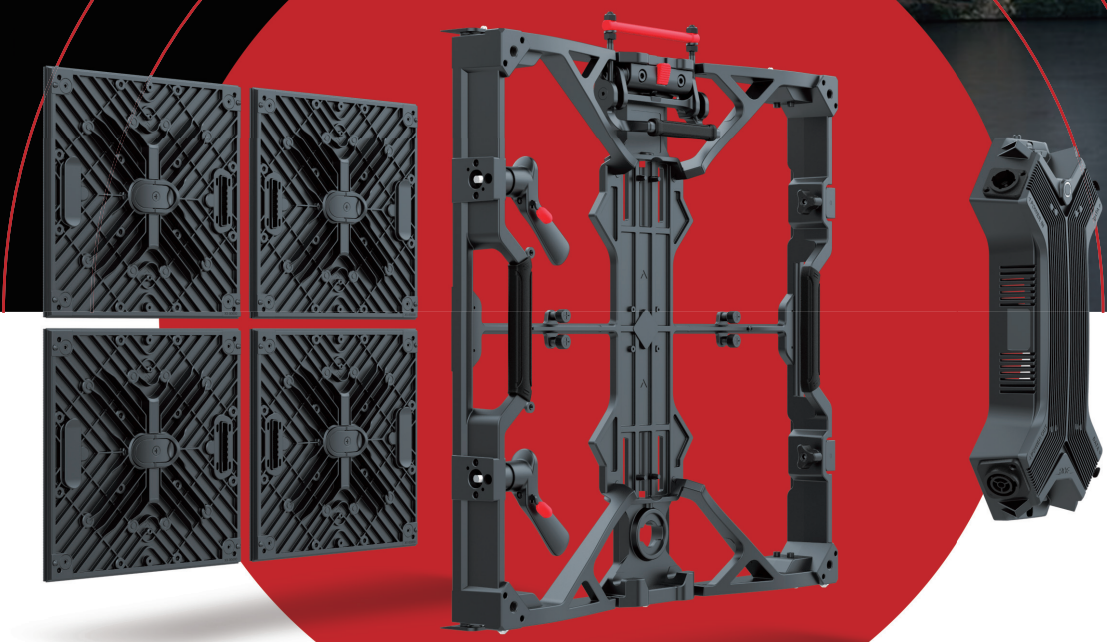
Easy Maintenance

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 gray scale Ruby offers precision imagery, showing black in endless scales and fluent gradients.

The New Standard for Stunning Visuals

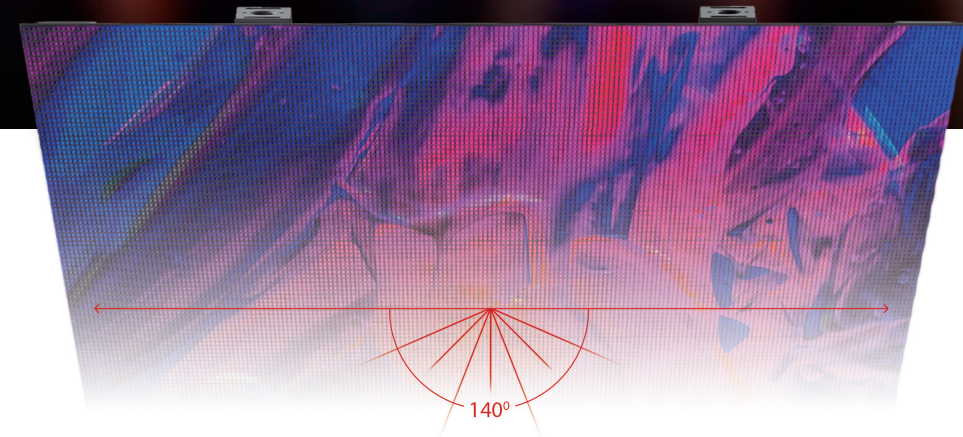


HDR supported LED technology **HDR**

Modular design PSU and HUB combined in one unit

Front and rear module service

Automatic edge-protection

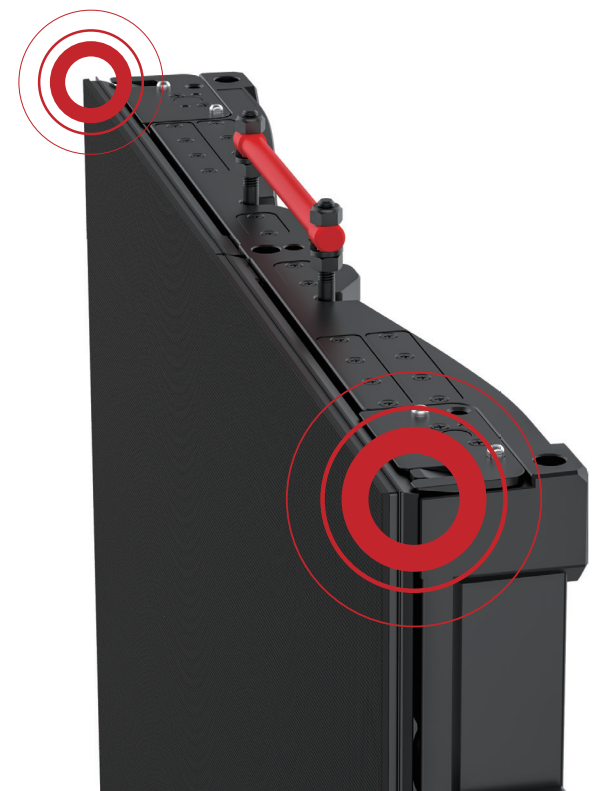


Automatic Edge Protection

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.

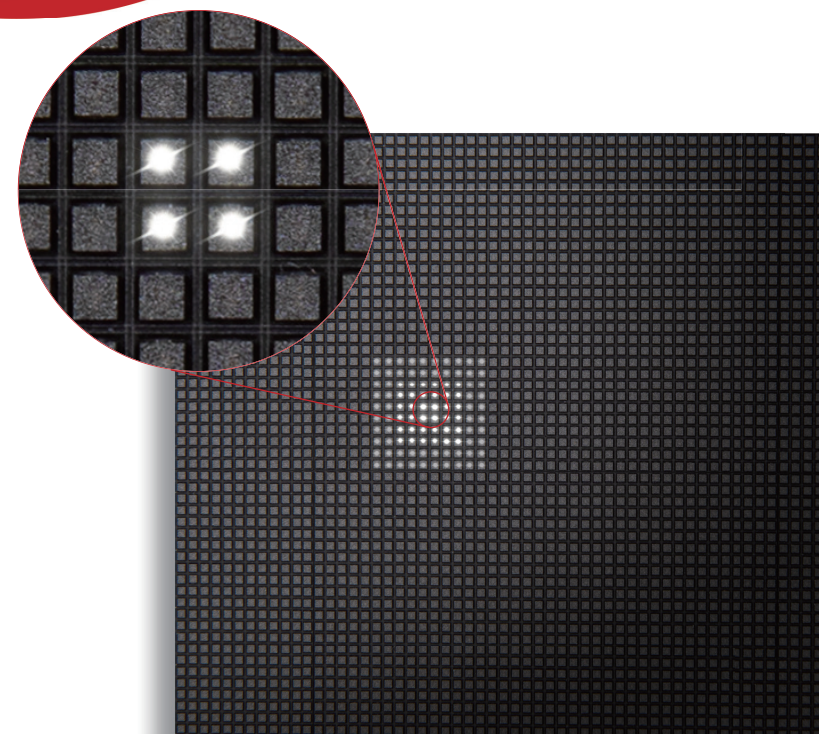
Unprecedented Viewing Angle

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.



Details that Matter

The enhanced black body with the flip chip 1010 LED creates more contrast and guarantees optimum brightness. With its high-contrast and high-brightness LED performance, the Ruby panels give an excellent visual performance for both direct viewing and in-camera visuals.



High Refresh Rate

With its high refresh rate of 7680 Hz, the Ruby LED panel matches camera refresh rates, resulting in a better in-camera performance of the LED screen.

Scan Rate

Supported with advanced driver ICs, Ruby has a low scan rate of 8:1. Refreshing smaller groups of LEDs quicker is camera sensor friendly, resulting in a smoother image without artifacts.

