

Black Pearl is a high-performance, broadcast-grade, HD-LED display for indoor applications. It has won many prestigious design awards, including the IDEA Gold Award and the Red Dot Award. Innovative user-friendly design supports fast and easy set-up for both hanging and stacking options. Highly durable lightweight magnesium-based panels house LEDs with high-def pixel pitch and outstanding color processing, making Black Pearl perfectly suited for the professional AV market.



IDEA GOLD AWARD
2015



GOLD AWARD
2015



RED DOT
AWARD



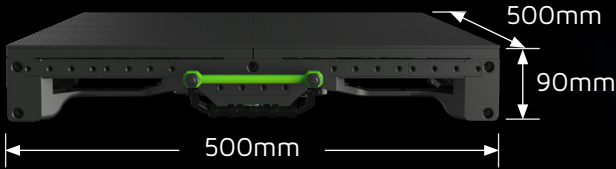
GOOD DESIGN
AWARD 2014

Specifications

Black Pearl	BP2	BP3
Pixel Pitch	2.84mm	3.91mm
Max Brightness Calibrated	1500nits	1500nits
Panel Dimension	500mm x 500mm x 90mm 19.69" x 19.69" x 3.54"	500mm x 500mm x 90mm 19.69" x 19.69" x 3.54"
Panel Resolution (H x V)	176 x 176	128 x 128
Panel Weight	9.35kg; 20.61lbs	8.7kg; 19.18lbs
Power Consumption Max / Average	160W / 80W	170W / 85W
BTU Max / Average	550 / 250	580 / 270
Transparency	Solid	Solid
Serviceability	Front	Front
Curving (Concave & Convex) *1	Concave 10°-Convex 10°	Concave 10°-Convex 10°
Max. Hanging (panels) *2	20	20
Max. Stacking (panels) *3	12	12
LED Configuration	SMD 1515 Black	SMD 2020 Black
Viewing Angle Horizontal	140°	140°
Viewing Angle Vertical	140°	140°
Scan Ratio	1/11	1/16
Refresh Rate	1920Hz	1920Hz
Gray Scale	14bit	14bit
Frame Material	Magnesium Alloy	Magnesium Alloy
Processing Platform	Brompton / Evision / MVR	Brompton / Evision
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	CE, ETL, FCC

- *Note: 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, safety factor is 8. No climbing is allowed.

Dimensions



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ROE
CREATIVE DISPLAY



Black Pearl

Awarded, Cutting-edge LED Design and Technology

INDOOR LED PANELS

The Black Pearl series by ROE Visual offers Awarded, Cutting-edge LED Design and Technology in a LED Panel that has become Industry Standard.

Mg

Durable Magnesium frame



Magnet assisted assembly



LED protection through special edge design



Creative modules



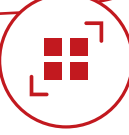
Intelligent module stores calibration



Highly efficient power supply



Indoor use



BP2 - 2.84mm
BP3 - 3.91mm

High Power Supply Efficiency

Built-in heat dissipation and a power supply efficiency of 90% guarantee minimum waste heat.



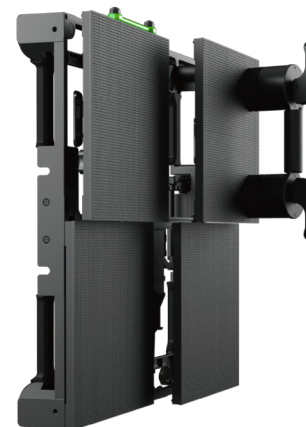
Superb Visuals

True-to-content effects are created with high refresh rates, outstanding color processing and great contrast ratios.



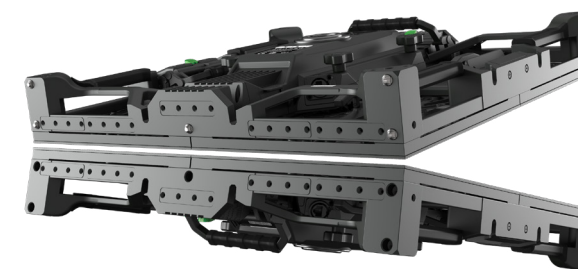
Intelligent Module and Easy Maintenance

Each individual module stores its calibration and operating parameters. Equipped with identical push-out modules, maintenance is a breeze.



Fast and Easy Set-up

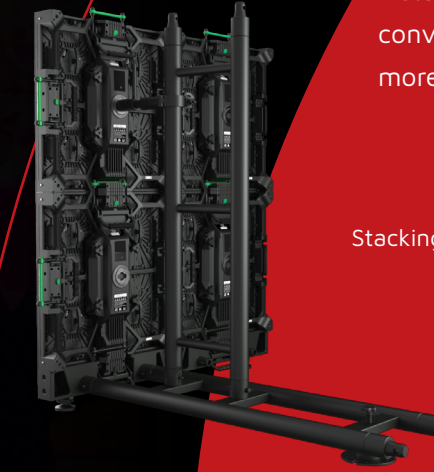
The integrated magnet-assisted assembly, LED protection and a smart lock system allow for automatic positioning and efficient installation, while the edge-conscious tile design allows for optimum panel protection.



Flexible Installation Options

Due to its stacking, hanging and curved installation options, the Black Pearl LED panels offer flexible solutions for both rental and fixed installation applications. Through concave or convex curving a larger field of view and a more immersive experience can be created.

Stacking



Hanging



90 Degree Corner



Concave 10°-Convex 10°

