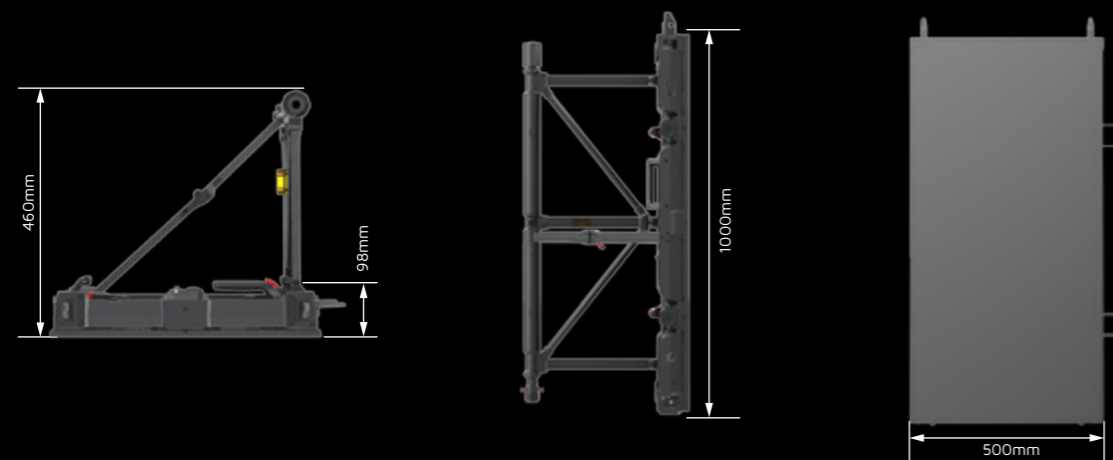


Specifications

Module	BQ 3.9	BQ 3.9 Half	BQ 4.6	BQ 4.6 Half
Pixel Pitch	3.9mm	3.9mm	4.6mm	4.6mm
Max Brightness Calibrated	5,000 nits (Black LED)	5,000 nits (Black LED)	5,000 nits (Black LED)	5,000 nits (Black LED)
Panel Dimension	500 x 1000mm 19.69" x 39.38"	500 x 500mm 19.69" x 19.69"	500 x 1000mm 19.69" x 39.38"	500 x 500mm 19.69" x 19.69"
Panel Resolution (H x V)	128 x 256	128 x 128	108 x 216	108 x 108
Weight Per Panel	17.8kg; 39.24lbs	9.8kg; 21.61lbs	17.8kg; 39.24lbs	9.8kg; 21.61lbs
Weight Per Panel incl. Frame	22.0kg; 48.50lbs	/	22kg; 48.50lbs	/
Power Consumption Max/Average	380W / 190W	190W / 100W	380W / 190W	190W / 100W
BTU Max/Average	1296 / 596	648 / 298	1296 / 596	648 / 298
Transparency	Solid	Solid	Solid	Solid
Curving (Concave & Convex)	Concave 10°-Convex 10°	Concave 10°-Convex 10°	Concave 15°-Convex 15°	Concave 15°-Convex 15°
Max. Hanging (panels)	26	/	26	/
Max. Stacking (panels)	5	/	5	/
LED Configuration	SMD 1415 black common cathode	SMD 1415 black common cathode	SMD 1921 Black common cathode	SMD 1921 Black common cathode
Viewing Angle Vertical	108°	108°	140°	140°
Viewing Angle Horizontal	140°	140°	140°	140°
Multiplexing	8	8	8	8
Refresh Rate	3840Hz	3840Hz	7680Hz	7680Hz
Frame Material	Magnesium Alloy	Magnesium Alloy	Magnesium Alloy	Magnesium Alloy
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	-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	-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	Outdoor	Outdoor	Outdoor	Outdoor
Certifications	CE, ETL, FCC	CE, ETL, FCC	CE, ETL, FCC	CE, ETL, FCC

Notes: The Specifications are for reference, actual values may vary.

Dimensions



www.roevisual.com

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ROE
CREATIVE DISPLAY



BLACK QUARTZ

OUTDOOR LED PANELS

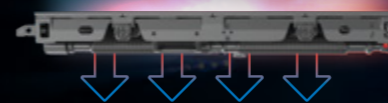
The perfect outdoor LED screen solution

Guarantee audience safety with wind-load resistant LED screens.

Building outdoor LED screens can be a challenge. The Black Quartz LED panels by ROE Visual are designed as your fast-building, wind-load resistant LED screen solution. The Black Quartz offers a full-fledged LED screen appliance, combining a small pitch LED panel with an integrated wind-bracing system, the perfect solution for your next tour or outdoor event.

Cutting-edge Common Cathode technology

Black Quartz panels have an excellent visual performance due to the use of Common Cathode technology. Its stable and brilliant LED performance, with reduced color differences and relative high brightness, is the result of a significantly reduced panel temperature and efficient heat-dissipation.



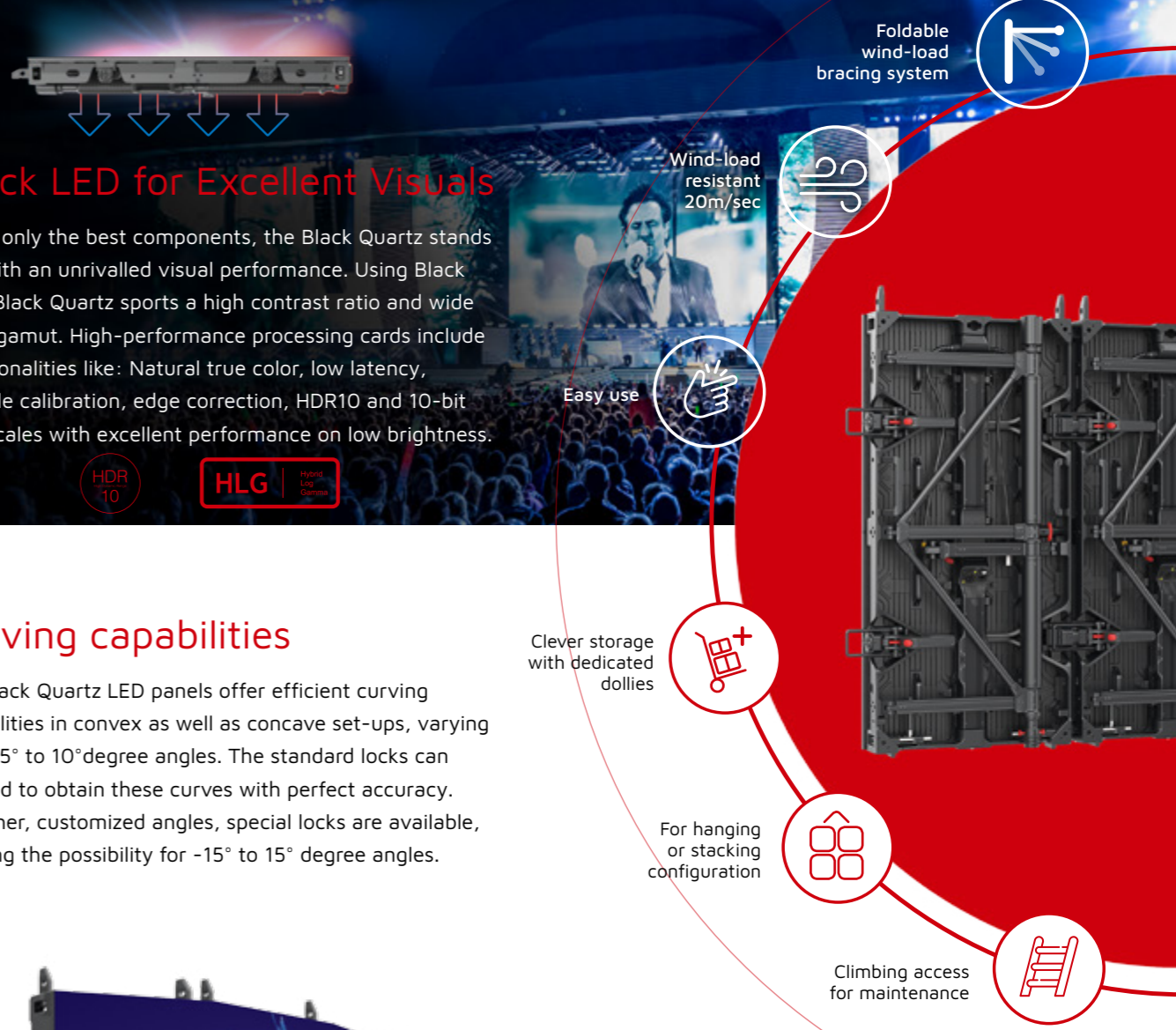
Black LED for Excellent Visuals

Using only the best components, the Black Quartz stands out with an unrivalled visual performance. Using Black LED, Black Quartz sports a high contrast ratio and wide color gamut. High-performance processing cards include functionalities like: Natural true color, low latency, module calibration, edge correction, HDR10 and 10-bit greyscale with excellent performance on low brightness.



Unrivalled Grayscales

Low brightness mode for unrivalled grayscales at indoor use



Full Integration

The Black Quartz LED panels are equipped with an incorporated bracing truss. Once mounted, the LED panels are wind-load resistant and can be used till windspeeds of 20m/sec. The LED modules, power box and receiving card are all mounted directly on the rigid frame, creating a fully integrated LED solution offering higher precision and less weight than conventional systems. The result is a seamless LED screen with a great visual performance that can be used in almost any environment.

Seamless small pitch screens

The rigid frame of the Black Quartz LED panels enables flawless connection of even the smallest 3.91mm pixel pitch. The magnesium based touring frame guarantees optimal handling and transportation as well as an easy stacking or hanging solution. The high precision frames are fitted with pixel pitches ranging from 3.9mm to 4.6mm and have integrated edge protection.



Curving capabilities

The Black Quartz LED panels offer efficient curving capabilities in convex as well as concave set-ups, varying from -5° to 10° degree angles. The standard locks can be used to obtain these curves with perfect accuracy. For other, customized angles, special locks are available, creating the possibility for -15° to 15° degree angles.



Fast and easy service access

To facilitate on-site repair and quick maintenance, the modular design of the Black Quartz system offers front as well as rear module replacement. The modular design further enhances cost-effective maintenance, parts can be easily replaced without having to discard the whole panel and sub-frame.