

Specifications

Diamond	DM2.6	DM3.9
Pixel Pitch	2.60mm	1.25mm
Max Brightness Calibrated	1500nits	1500nits
Panel Dimension	500mm x 500mm x 80mm 19.7" x 19.7" x 3.2"	500mm x 500mm x 80mm 19.7" x 19.7" x 3.2"
Panel Resolution (H x V)	192 x 192	128 x 128
Panel Weight	5.76kg; 12.7lbs	5.76kg; 12.7lbs
Power Consumption Max / Average	180W / 90W	150W / 80W
BTU Max / Average	614 / 282	512 / 236
Transparency	Solid	Solid
Curving (Concave & Convex)*1	Concave 10° - Convex 5°	Concave 10° - Convex 5°
Max. Hanging (panels) *2	20	20
Max. Stacking (panels) *3	10	10
LED Configuration	SMD 1515 Black	SMD 2020
Viewing Angle Horizontal	140°	140°
Viewing Angle Vertical	140°	140°
Scan Ratio	1/16	1/16
Refresh Rate	3840Hz	3840Hz
Gray Scale	16bit	16bit
Frame Material	Magnesium Alloy	Magnesium Alloy
Processing Platform	Evision / Brompton / MVR	Evision / 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,TUV	CE, ETL,TUV

*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



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ROE

CREATIVE DISPLAY

Diamond Series

The Lightweight, Small-Pitch Alternative

INDOOR LED PANELS

Diamond Series

offers the excellent small-pitch alternative

The Diamond Series is an affordable, LED panel with a vivid viewing experience. The Diamond Series screens caters for visual brilliance and a flawless finish in a lightweight panel. The impeccable quality makes it the ideal choice for corporate and live event solutions.

Cost-effective and Cutting-edge LED Design and Technology

Ultra-Lightweight

Diamond panels measure 500x500mm and weigh less than 6 kilos per panel. Lightweight magnesium alloy frame ensures extreme durability.

Superb Visual

The sleek design with Black LEDs adds high contrast and brightness for a vivid viewing experience.



Curving Capability

Concave and convex curving capabilities provide expanded flexibility to realize uniquely creative stage design.

Hanging or Stacking Configuration

Efficient and cost-effective hanging or stacking options:

- Combined Hanging/Base Bar 500mm + Trigger Clamp
- Combined Hanging/Base Bar 1000mm + Trigger Clamp
- ROE Stacking System Rear truss - 1000mm
- ROE Stacking System Base truss - 910mm



Magnet-assisted Assembly

Magnets are integrated into the Diamond panels offering easy setup in both hanging or stacking configurations.

Accessories and Panel Locks

