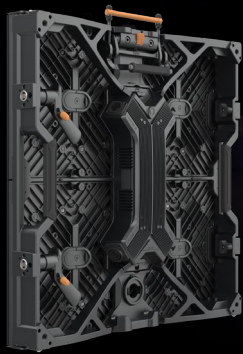# ROE
CREATIVE DISPLAY

Topaz Series

High-Performing Efficiency

INDOOR LED PANELS

Topaz Series: The All-purpose Live Events LED Panel
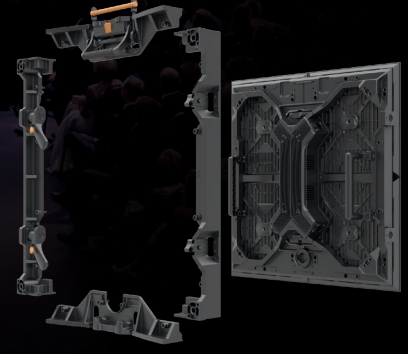
Are you looking for a versatile LED platform with trusted ROE Visual quality? Topaz fits that bill seamlessly. With its high-precision mechanics and excellent visual quality, it offers everything you love about ROE Visual. Topaz is a creative LED all-platform, including flat, curve, or cube, that combines stable and reliable performance with affordable cost-of-ownership, playing into the market challenges of AV-rental companies.

Topaz   Topaz Curve   Topaz Cube

The Road-ready Rental Panel

Topaz offers excellent visual quality and creative options that assemble with the precision and ease you're accustomed to – just like all ROE Visual LED panels. Topaz is easy to hang or stack, allowing for seamless installations that foster all imaginable solutions in stage design.

Don't Sacrifice Quality

There's no need to balance quality or specs against your return on investment. Topaz offers the best of both worlds, a high-efficient LED panel with a high utilization potential that meets all your design requirements. Topaz allows you to lower your initial investment without sacrificing quality.

Stacking

Hanging

Unleash Creativity with Exceptional Visuals

Experience the brilliance of the Topaz LED platform, designed to captivate with its small pitch from 1.5 to 2.6 and vibrant colors. This indoor LED solution is a high-effective marvel, ideal for various applications. With its high-brightness LED performance, the Topaz panels give an excellent visual performance for direct viewing and in-camera visuals.

Versatile set up/ multi-shapes set up

High-brightness

Automatic edge-protection

Modular design PSU and HUB combined in one unit

Front and rear module service

Your Daily Workhorse

Maintenance is a breeze with the Topaz panels, featuring both front and rear module service. The integrated PSU and Hub unit streamline repair and spare part replacement, making maintenance easy and cost-effective.
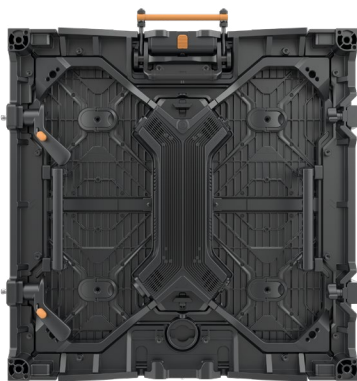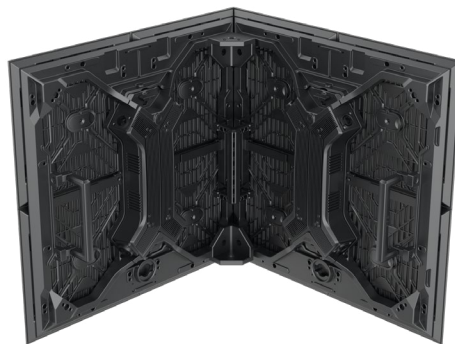
Topaz Curve

The Topaz curving LED panels are fitted with multi-functional handles. You can easily create curves up to 30 degrees by rotating the handles in small and precise steps to the desired curving angle. The resulting curved LED display will offer a flawless canvas at any angle.
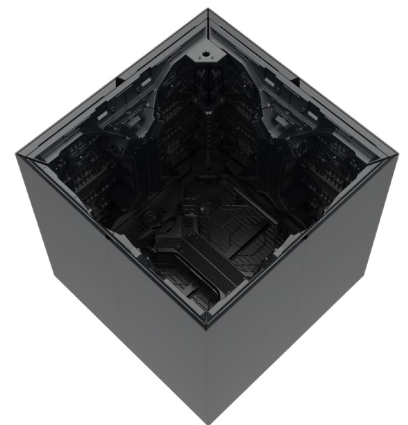
Topaz Cube

The Topaz Cube elements allow for easy construction of 90 degree corners, 4-sided columns or even 5-sided cubes. The separate building elements can be combined with the regular Topaz modules.
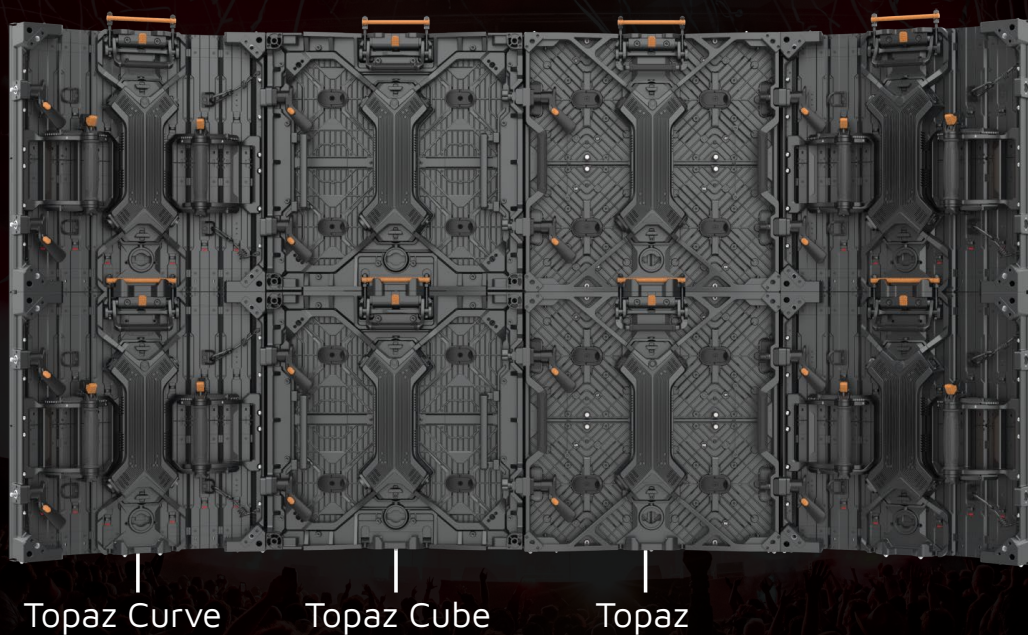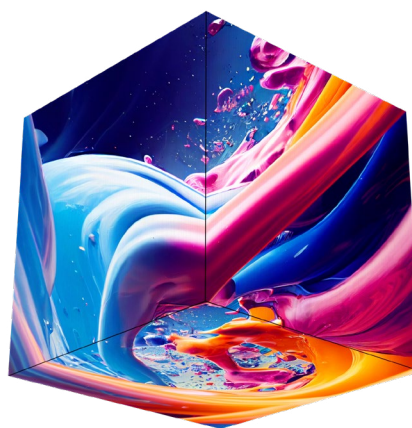

Flat

Right angle

Cube

Compatible with Topaz Series

The Topaz Curve, Topaz Cube, and Topaz panels are Compatible. Combining both LED panels on one wall, you can create any perfect shape.

Topaz Curve   Topaz Cube   Topaz

Topaz Enables a Myriad of Creative Designs

Specifications

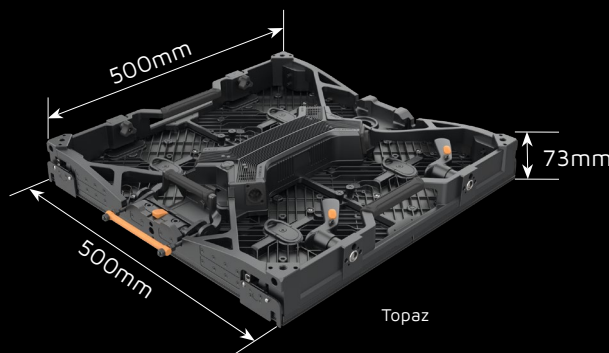| Tile	Topaz 1.5	Topaz 1.9	Topaz 2.2	Topaz 2.6
Pixel Pitch	1.56mm	1.95mm	2.23mm	2.604mm
Max Brightness Calibrated	1500nits	1500nits	1500nits	1500nits
Panel Dimension	500mm x 500mm x 73mm 19.7" x 19.7" x 2.87"	500mm x 500mm x 73mm 19.7" x 19.7" x 2.87"	500mm x 500mm x 73mm 19.7" x 19.7" x 2.87"	500mm x 500mm x 73mm 19.7" x 19.7" x 2.87"
Panel Resolution (H x V)	320 x 320	256 x 256	224 x 224	192 x 192
Weight Per Panel	8.16kg; 17.99lbs	8.3kg; 18.30lbs	8.4kg; 18.52lbs	8.0kg; 17.64lbs
Power Consumption Max / Average	180W (common cathode) / 90W	160W (common anode) / 80W	150W (common anode) / 75W	140W (common anode) / 70W
BTU Max / Average	615 / 280	545 / 250	510 / 235	480 / 220
Transparency	Solid	Solid	Solid	Solid
Serviceability	Front / Rear	Front / Rear	Front / Rear	Front / Rear
LED Configuration	4 in 1 common cathode	4 in 1 common anode	SMD 1212 Black	SMD 1515 Black
Curving (Concave & Convex) *1	Concave 5°~Convex 5°	Concave 5°~Convex 5°	Concave 5°~Convex 5°	Concave 5°~Convex 5°
Max. Hanging panels *2	20	20	20	20
Max. Stacking panels *3	12	12	12	12
Viewing Angle Horizontal	140°	140°	140°	140°
Viewing Angle Vertical	140°	140°	140°	140°
Scan Ratio	1/16	1/16	1/16	1/16
Refresh Rate	7680Hz	7680Hz	7680Hz	7680Hz
Gray Scale	15bit	15bit	15bit	15bit
Processing Platform	Megapixel / Brompton / Evision	Megapixel / Brompton / Evision	Megapixel / Brompton / Evision	Megapixel / Brompton / Evision
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	Indoor	Indoor	Indoor	Indoor
Certifications	CE, CB, ETL, FCC, UKCA, WEEE	CE, CB, ETL, FCC, UKCA, WEEE	CE, CB, ETL, FCC, UKCA, WEEE	CE, CB, ETL, FCC, UKCA, WEEE

*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. No climbing is allowed.

Dimensions

Topaz

500mm
500mm
73mm

YOUR STAGE
OUR PASSION

Specifications

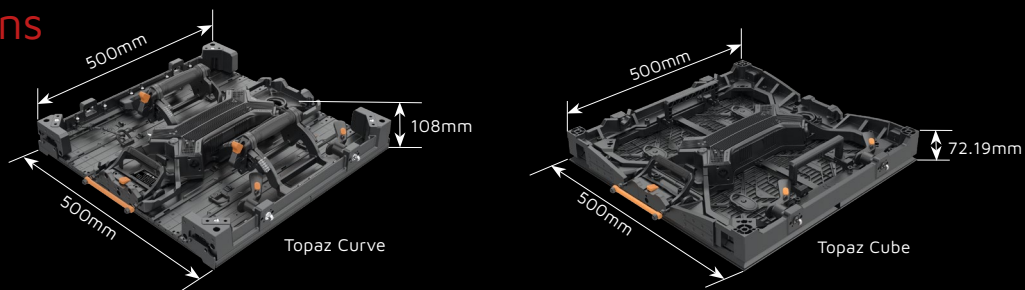| Tile	TP-C 1.9	TP-C 2.2	TP-C 2.6	TP-B 2.6
Pixel Pitch	1.95mm	2.23mm	2.604mm	2.604mm
Max Brightness Calibrated	1500nits	1500nits	1500nits	1500nits
Panel Dimension	500mm x 500mm x 108mm 19.7" x 19.7" x 4.25"	500mm x 500mm x 108mm 19.7" x 19.7" x 4.25"	500mm x 500mm x 108mm 19.7" x 19.7" x 4.25"	500mm x 500mm x 72.19mm 19.7" x 19.7" x 2.84"
Panel Resolution (H x V)	256 x 256	224 x 224	192 x 192	192 x 192
Weight Per Panel	8.5kg; 18.74lbs	8.4kg; 18.52lbs (Estimated)	8.3kg; 18.30lbs	9.08kg; 20.02lbs
Power Consumption Max / Average	160W(common anode) / 80W	150W(common anode) / 75W	140W(common anode) / 70W	140W(common anode) / 70W
BTU Max / Average	545 / 250	510 / 235	480 / 220	480 / 220
Transparency	Solid	Solid	Solid	Solid
Serviceability	Rear	Front / Rear	Rear	Front / Rear
LED Configuration	4 in 1 common anode	SMD 1212 Black	SMD 1515 Black	SMD 1515 Black
Curving (Concave & Convex) *1	Concave20°~Convex 20°	Concave30°~Convex 30°	Concave30°~Convex 30°	Concave5°~Convex 5°; 90°
Max. Hanging panels *2	20	20	20	16
Max. Stacking panels *3	12	12	12	12
Viewing Angle Horizontal	140°	140°	140°	140°
Viewing Angle Vertical	140°	140°	140°	140°
Scan Ratio	1/16	1/16	1/16	1/16
Refresh Rate	7680Hz	7680Hz	7680Hz	7680Hz
Gray Scale	15bit	15bit	15bit	15bit
Processing Platform	Megapixel / Brompton / Evision	Megapixel / Brompton / Evision	Megapixel / Brompton / Evision	Megapixel / Brompton / Evision
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	Indoor	Indoor	Indoor	Indoor
Certifications	CE, CB, ETL, FCC, UKCA, WEEE	CE, CB, ETL, FCC, UKCA, WEEE	CE, CB, ETL, FCC, UKCA, WEEE	CE, CB, ETL, FCC, UKCA, WEEE

*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. No climbing is allowed.

Dimensions

500mm
500mm
108mm

Topaz Curve

500mm
500mm
72.19mm

Topaz Cube

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www.roevisual.com