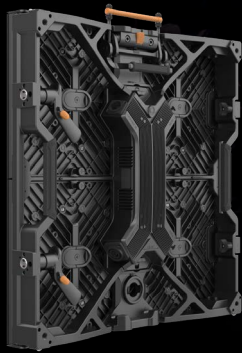# ROE
CREATIVE DISPLAY

Topaz Series

High-Performing Efficiency

INDOOR LED PANELS

Topaz Series: The All-purpose Live Events LED Panel

Topaz is a versatile LED platform engineered with ROE Visual's signature precision and reliability. Designed for flat, curved, and cube configurations, it delivers exceptional visual performance and robust mechanics. Combining stability with cost-efficient ownership, Topaz meets the evolving demands of AV rental companies without compromising on quality.

| Topaz | Topaz Curve | Topaz Cube |

The Road-ready Rental Panel

Topaz delivers exceptional visual performance and versatile design possibilities, engineered with the precision and ease that define all ROE Visual LED panels. Its intuitive hanging and stacking capabilities enable seamless installations, unlocking endless creative possibilities for stage design.

Quality Without Compromise

Delivering the perfect blend of performance and value, Topaz offers exceptional quality with versatile design possibilities. Built to meet the highest standards, it ensures seamless integration and reliable operation. With Topaz, you get a cost-effective solution without compromising on the precision you expect from ROE Visual.

Stacking

Hanging

Unleash Creativity with Exceptional Visuals

Engineered for impact, its fine pixel pitch range of 1.5 to 2.6mm and vivid color rendering deliver stunning image quality. This high-efficiency indoor LED solution is designed for seamless integration across a wide range of applications, ensuring brilliant performance both on-camera and in direct-view environments.

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.
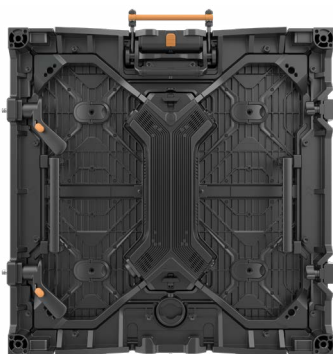
Topaz Curve

Topaz curving LED panels feature the advanced TheOneCurve™ Lock, a market-leading technology that enables unparalleled smoothness and precision. Effortlessly adjust curves up to 30 degrees with exact positioning as precise as 1 degree, ensuring seamless alignment for any design. The result—a flawlessly curved LED display from every angle.
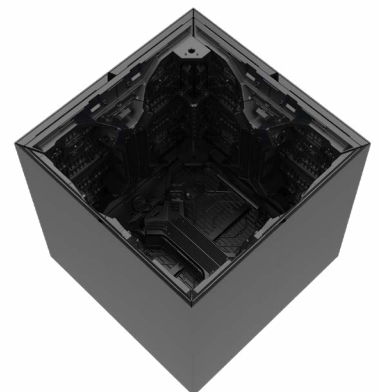
Topaz Cube

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.
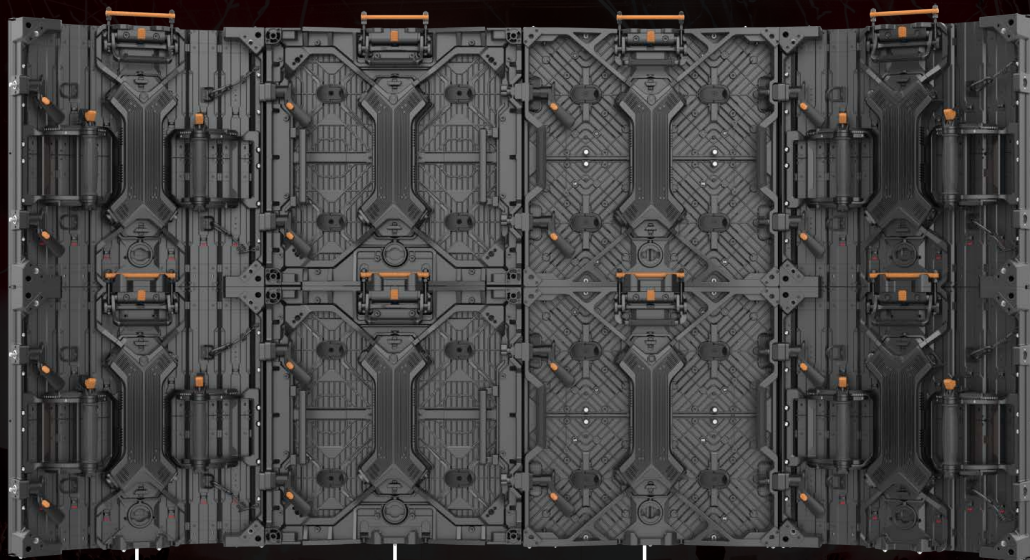
Flat

Right angle

Cube

Compatible with Topaz Series

Topaz Curve, Cube, and Flat panels are fully compatible, offering seamless integration for any design. Effortlessly combine them to create the perfect LED display tailored to your vision.
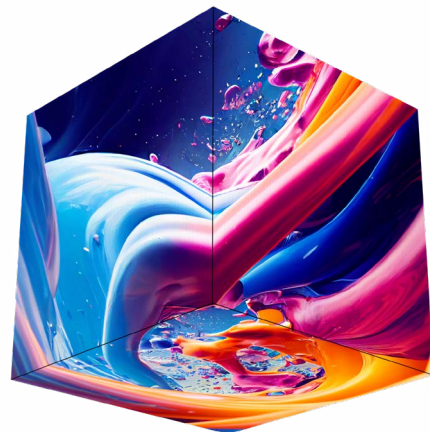

Topaz Curve Topaz Cube Topaz

A World of Creative Designs

Specifications

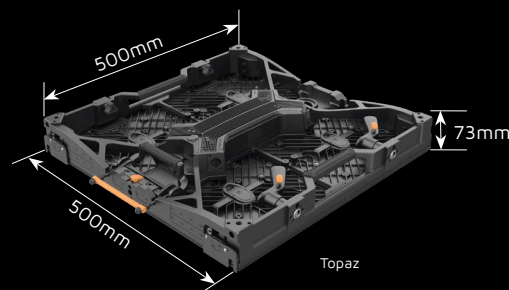| Topaz	Topaz 1.5	Topaz 1.9	Topaz 2.2	Topaz 2.6
Pixel Pitch	1.56mm	1.95mm	2.23mm	2.604mm
Max Brightness Calibrated	1500nits	1500nits	1500nits	1500nits
Panel Dimension	500mm x 500mm x 73mm 19.7" x 19.7" x 2.87"	500mm x 500mm x 73mm 19.7" x 19.7" x 2.87"	500mm x 500mm x 73mm 19.7" x 19.7" x 2.87"	500mm 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	8.0kg; 17.64lbs	8.0kg; 17.64lbs
Power Consumption Max / Average	160W(common cathode) / 80W	140W(common anode) / 70W	160W(common anode) / 80W	140W(common anode) / 70W
BTU Max / Average	545 / 250	480 / 220	545 / 250	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	16bit	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	IP40	IP40	IP40	IP40
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. The 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

Specifications

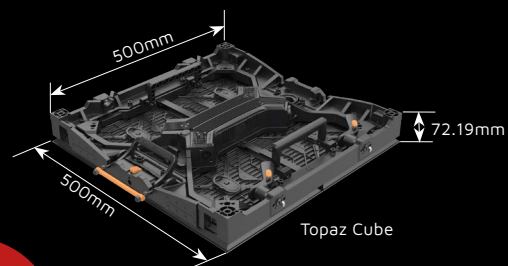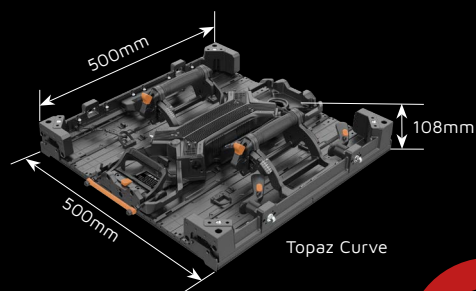| Topaz	Topaz-C 1.5	Topaz-C 1.9	Topaz-C 2.2	Topaz-C 2.6	Topaz-B 1.9	Topaz-B 2.2	Topaz-B 2.6
Pixel Pitch	1.56mm	1.95mm	2.23mm	2.604mm	1.95mm	2.23mm	2.604mm
Max Brightness Calibrated	1500nits	1500nits	1500nits	1500nits	1500nits	1500nits	1500nits
Panel Dimension	500mm x 500mm x 108mm 19.7" x 19.7" x 4.25"	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 108mm 19.7" x 19.7" x 4.25"	500mm x 500mm x 72.19mm 19.7" x 19.7" x 2.84"	500mm x 500mm x 72.19mm 19.7" x 19.7" x 2.84"	500mm x 500mm x 72.19mm 19.7" x 19.7" x 2.84"
Panel Resolution (H x V)	320 x 320	256 x 256	224 x 224	192 x 192	256 x 256	224 x 224	192 x 192
Weight Per Panel	8.5kg; 18.74lbs	8.5kg; 18.74lbs	8.4kg; 18.52lbs	8.3kg; 18.30lbs	8.9kg; 19.62lbs	9.08kg; 20.02lbs	9.08kg; 20.02lbs
Power Consumption Max / Average	160W(common cathode) / 80W	140W(common anode) / 70W	160W(common anode) / 80W	140W(common anode) / 70W	140W(common anode) /70W	160W(common anode) / 80W	140W(common anode) / 70W
BTU Max / Average	545/250	480 / 220	545/ 250	480 / 220	480 / 220	545 / 250	480 / 220
Transparency	Solid	Solid	Solid	Solid	Solid	Solid	Solid
Serviceability	Rear	Rear	Rear	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	4 in 1 common anode	SMD 1212 Black	SMD 1515 Black
Curving (Concave & Convex) *1	Concave 20°~ Convex 20°	Concave 20°~ Convex 20°	Concave 30°~ Convex 30°	Concave 30°~ Convex 30°	Concave 5°~ Convex 5°;90°	Concave 5°~ Convex 5°; 90°	Concave 5°~ Convex 5°; 90°
Max. Hanging panels *2	20	20	20	20	16	16	16
Max. Stacking panels *3	12	12	12	12	12	12	12
Viewing Angle Horizontal	140°	140°	140°	140°	140°	140°	140°
Viewing Angle Vertical	140°	140°	140°	140°	140°	140°	140°
Scan Ratio	1/16	1/16	1/16	1/16	1/16	1/16	1/16
Refresh Rate	7680Hz	7680Hz	7680Hz	7680Hz	7680Hz	7680Hz	7680Hz
Gray Scale	16bit	15bit	15bit	15bit	15bit	15bit	15bit
Processing Platform	Megapixel / Brompton / Evision	Megapixel / Brompton / Evision	Megapixel / Brompton / Evision	Megapixel / Brompton / Evision	Megapixel / Brompton / Evision	Megapixel / Brompton / Evision	Megapixel / Brompton / Evision
Frame Material	Magnesium Alloy	Magnesium Alloy	Magnesium Alloy	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	-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	-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	IP40	IP40	IP40	IP40	IP40	IP40	IP40
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	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.

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*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 Curve

500mm
500mm
108mm

Topaz Cube

500mm
500mm
72.19mm

YOUR STAGE
OUR PASSION

www.roevisual.com