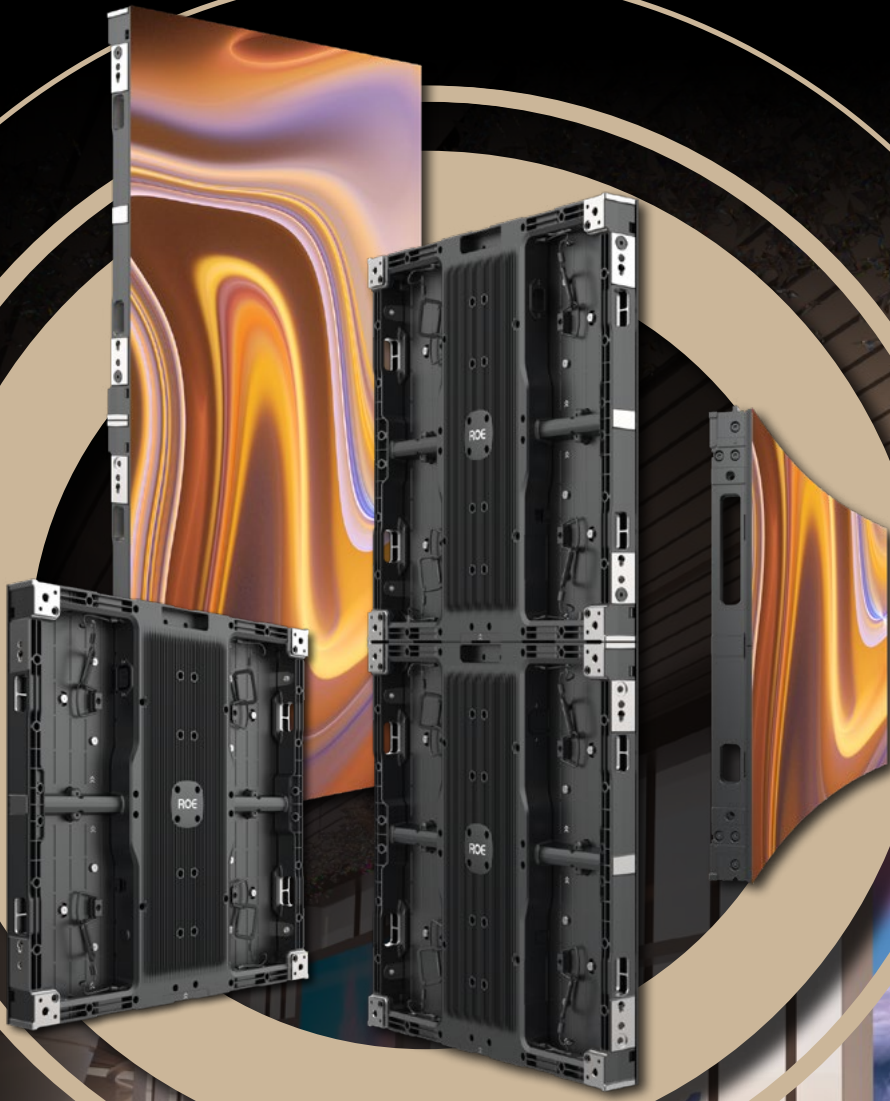


# ROE Display Solutions



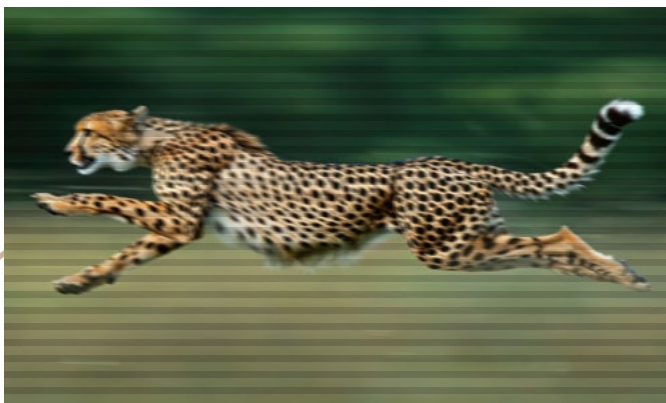
## Meru Series

Ready to Fit Any Space

INDOOR FIXED INSTALL



Meru delivers brilliant, dependable performance for any indoor space. Designed for efficiency, its low power consumption and optional dual power redundancy ensure continuous operation when it matters most. Its ultra-slim profile comes in two cabinet sizes—500×500mm and 500×1000mm—making Meru a versatile solution for high-resolution displays in transportation hubs, shopping malls, broadcast studios, and corporate spaces.



Low Refresh Rate



High Refresh Rate

## Stunning Visuals and Performance

Meru features an ultra-high 7680Hz refresh rate, minimizing scan lines for exceptional in-camera performance. With wide DCI-P3 color gamut coverage, it delivers vibrant, accurate colors and lifelike detail. Whether viewed directly or through the lens, Meru stands out in any environment.

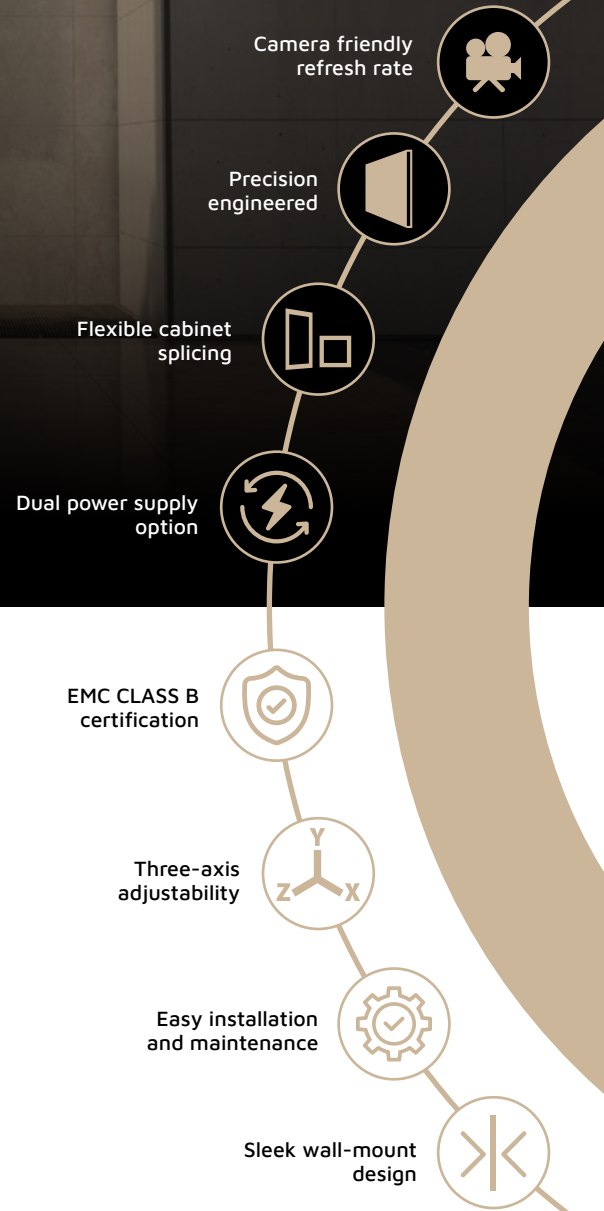
## Energy Efficient and Reliable

Meru combines energy efficiency with optional dual power redundancy to deliver reliable performance when it matters most. Its EMC Class B certification guarantees high electromagnetic immunity, making it safe for use in complex settings such as airports or control rooms. Additionally, its energy savings and environmental compliance make it an appealing choice for sustainable projects.



## Slim, Low-profile

Meru's slim 68–73mm profile meets ADA standards and supports full front maintenance for easy servicing. Magnetic modules allow for quick installation and swaps, reducing downtime. Compatible with third-party mounting systems, Meru's clean, wall-mounted design integrates seamlessly into modern interiors of any size or complexity.





## Precise Engineering for Seamless Displays

Engineered with structural tolerances of just 0.05mm, Meru ensures exceptional screen flatness. Its micro-adjustment system with floating connections allows for pixel-perfect alignment, while front-mounted connectors facilitate seamless cabinet splicing.



## Meru Curve, up to 30° curve Solution

Meru Curve delivers 30° curve configurations with 1.5mm to 3.9mm pixel pitch, offering both concave and convex options. Meru Curve adapts to diverse fixed-installation environments while providing versatile choices. Featuring high-precision curvature and customizable angles, it enables rapid installation. Additionally, Meru Curve panels can be seamlessly integrated with standard Meru panels.

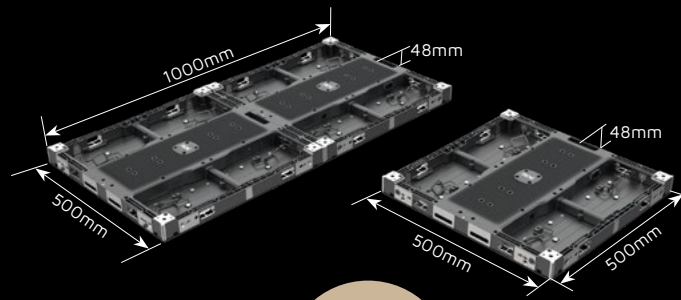


# Specifications

Meru	Meru 1.5	Meru 1.5 Half	Meru 1.9	Meru 1.9 Half	Meru 2.6	Meru 2.6 Half	Meru 3.9	Meru 3.9 Half
Pixel Pitch	1.56mm	1.56mm	1.9mm	1.9mm	2.6mm	2.6mm	3.9mm	3.9mm
Max Brightness Calibrated	1000nits	1000nits	1000nits	1000nits	1200nits	1200nits	1000nits	1000nits
Panel Dimension (W x H)	500 x 1000 x 48mm 19.69" x 39.37" x 1.89"	500 x 500 x 48mm 19.69" x 19.69" x 1.89"	500 x 1000 x 48mm 19.69" x 39.37" x 1.89"	500 x 500 x 48mm 19.69" x 19.69" x 1.89"	500 x 1000 x 48mm 19.69" x 39.37" x 1.89"	500 x 500 x 48mm 19.69" x 19.69" x 1.89"	500 x 1000 x 48mm 19.69" x 39.37" x 1.89"	500 x 500 x 48mm 19.69" x 19.69" x 1.89"
Panel Resolution (H x V)	320 x 640	320 x 320	256 x 512	256 x 256	192 x 384	192 x 192	128 x 256	128 x 128
Weight Per Panel	14.8kg; 32.6lbs	7.4kg; 16.3lbs	14.8kg; 32.6lbs	7.4kg; 16.3lbs	14.8kg; 32.6lbs	7.4kg; 16.3lbs	14.8kg; 32.6lbs	7.4kg; 16.3lbs
Panel Power Consumption Max / Average	320W / 160W	160W / 80W	300W / 150W	150W / 75W	230W / 115W	115W / 58W	230W / 115W	115W / 58W
Panel BTU Max / Average	1090 / 545	545 / 270	1020 / 510	510 / 255	785 / 360	390 / 180	785 / 360	390 / 180
Transparency	Solid	Solid	Solid	Solid	Solid	Solid	Solid	Solid
Serviceability	Front	Front	Front	Front	Front	Front	Front	Front
LED Configuration	SMD 1212 Black	SMD 1212 Black	SMD 1212 Black	SMD 1212 Black	SMD 1515 Black	SMD 1515 Black	SMD 1515 Black	SMD 1515 Black
Viewing Angle Horizontal	160°	160°	160°	160°	160°	160°	160°	160°
Viewing Angle Vertical	160°	160°	160°	160°	160°	160°	160°	160°
Scan Ratio	1/32	1/32	1/16	1/16	1/16	1/16	1/16	1/16
Refresh Rate	3840Hz	3840Hz	7680Hz	7680Hz	7680Hz	7680Hz	7680Hz	7680Hz
Gray Scale	14bit	14bit	15bit	15bit	15bit	15bit	15bit	15bit
Frame Material	Die-casting Aluminum	Die-casting Aluminum	Die-casting Aluminum	Die-casting Aluminum	Die-casting Aluminum	Die-casting Aluminum	Die-casting Aluminum	Die-casting Aluminum
Processing Platform	Novastar / Megapixel / Brompton	Novastar / Megapixel / Brompton	Novastar / Megapixel / Brompton	Novastar / Megapixel / Brompton	Novastar / Megapixel / Brompton	Novastar / Megapixel / Brompton	Novastar / Megapixel / Brompton	Novastar / Megapixel / 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	-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	-40°- 60°C, 10-90% RH -40°-140°F, 10-90% RH
IP Rating	IP40	IP40	IP40	IP40	IP40	IP40	IP40	IP40
Certifications	CE, FCC, ETL, UKCA, RoHS, WEEE	CE, FCC, ETL, UKCA, RoHS, WEEE	CE, FCC, ETL, UKCA, RoHS, WEEE	CE, FCC, ETL, UKCA, RoHS, WEEE	CE, FCC, ETL, UKCA, RoHS, WEEE	CE, FCC, ETL, UKCA, RoHS, WEEE	CE, FCC, ETL, UKCA, RoHS, WEEE	CE, FCC, ETL, UKCA, RoHS, WEEE

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

## Dimensions



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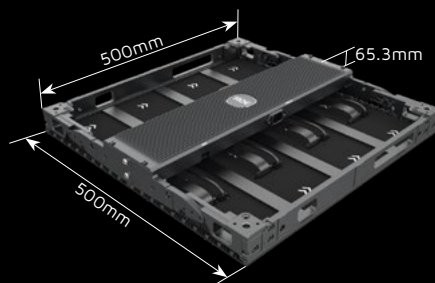
ROE China | ROE US | ROE EU | ROE UK | ROE JP | ROE AUS  
[roe@roevisual.com](mailto:roe@roevisual.com)

# Specifications

Meru	Meru-C 1.9
Pixel Pitch	1.9mm
Max Brightness Calibrated	1000nits
Panel Dimension (W x H)	500mm x 500mm x 65.3mm 19.69" x 19.69" x 1.89"
Panel Resolution (H x V)	256 x 256
Weight Per Panel	6kg; 13.22lbs
Panel Power Consumption Max / Average	150W / 75W
Panel BTU Max / Average	510 / 255
Transparency	Solid
Serviceability	Front
LED Configuration	SMD 1212 Black
Curving (Concave & Convex)	Concave30°-Convex 30°
Viewing Angle Horizontal	160°
Viewing Angle Vertical	160°
Scan Ratio	1/16
Refresh Rate	7680Hz
Gray Scale	15bit
Frame Material	Die-casting Aluminum
Processing Platform	Novastar / Megapixel / Brompton
Operational Temp / Humidity	-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
IP Rating	IP40
Certifications	CE, FCC, ETL, UKCA, RoHS, WEEE

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

## Dimensions



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