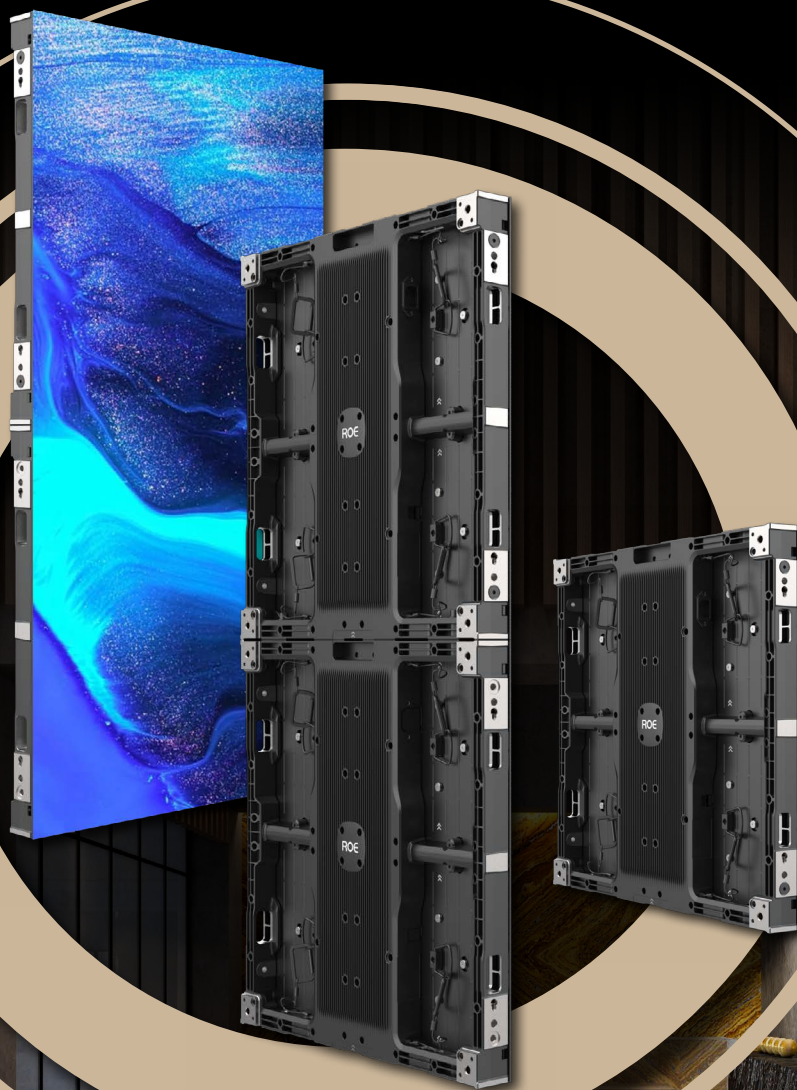


ROE Display Solutions



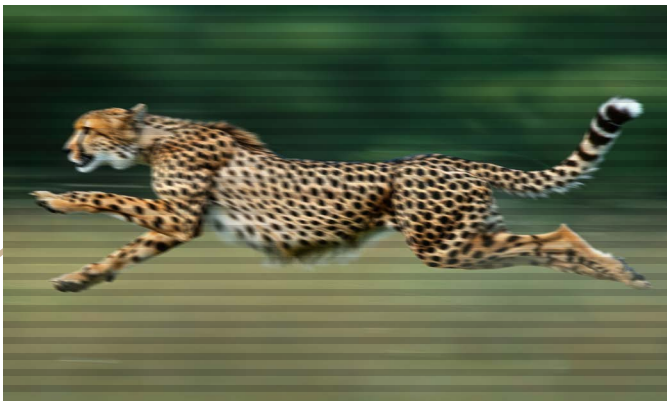
Meru

Precision in Detail. Perfection in Sight

INDOOR FIXED INSTALL



Meru represents the vanguard of fixed indoor LED display engineered for where visual performance counts. Combining ultra-slim design with seamless precision, it supports pixel pitches from P1.5 to P3.9 and versatile cabinet sizes (500×500mm and 500×1000mm), making it ideal for high-resolution applications in public spaces such as transport stations, shopping mall, broadcast studios, corporate hubs, luxury retail etc. For those looking to enhance the audience experience, Meru is the ideal choice.



Low refresh rate



Ultra-high refresh rate

Better Visual with High Performance

Meru's high refresh rate of 7680Hz eliminates scanning lines, guaranteeing flawless camera capture for live broadcasts, sports events, and studio productions. With 95% DCI-P3 color gamut coverage, it provides broadcast-quality color accuracy and lifelike detail. This makes it an ideal choice for both direct view and in-camera performance.

Precision Engineering for Seamless Displays

Visual continuity matters. Engineered with structural tolerances of just 0.05 mm, 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.



Camera shooting compatibility



High-precision structure



Flexible cabinet splicing



High-efficiency power solution



EMC CLASS B certification



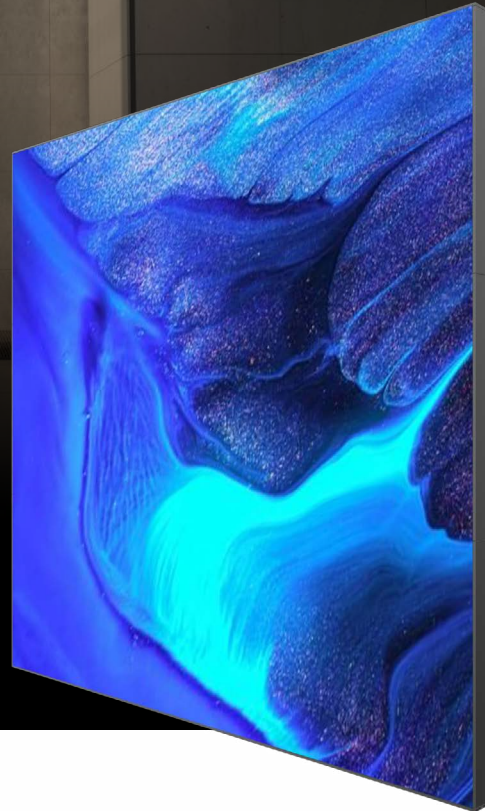
Three-axis adjustability



Easy installation and maintenance



Sleek wall-mount design



Energy Efficiency and Reliability

Meru features a high-efficiency power solution with optional dual power redundancy, ensuring uninterrupted operation in mission-critical environments. 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.

Ultra-Slim Design for Sleek Wall-Mounting

Meru provides space efficiency with a slim 68–73mm profile that meets ADA standards and 100% front maintenance. Magnetic modules allow tool-free installation and quick swaps, reducing downtime. The sleek wall-mounted design is compatible with third-party mounting frames, ensuring a seamless integration into modern interiors. This makes it an ideal choice for high-traffic areas, such as hotel lobbies and conference halls.

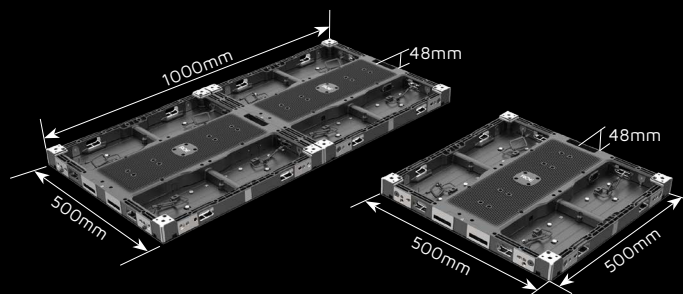


Specifications

Meru	Meru 1.9	Meru 1.9 Half	Meru 2.6	Meru 2.6 Half
Pixel Pitch	1.9mm	1.9mm	2.6mm	2.6mm
Max Brightness Calibrated	1000nits	1000nits	1200nits	1200nits
Panel Dimension (W x H)	500mm x 1000mm x 48mm 19.69" x 39.37" x 1.89"	500mm x 500mm x 48mm 19.69" x 19.69" x 1.89"	500mm x 1000mm x 48mm 19.69" x 39.37" x 1.89"	500mm x 500mm x 48mm 19.69" x 19.69" x 1.89"
Panel Resolution (H x V)	256 x 512	256 x 256	192 x 384	192 x 192
Weight Per Panel	14.8kg; 32.6lbs	7.4kg; 16.3lbs	14.8kg; 32.6lbs	7.4kg; 16.3lbs
Power Consumption Max / Average	220W / 110W	110W / 55W	280W / 140W	140W / 70W
BTU Max / Average	760 / 380	380 / 190	960 / 480	480 / 240
Transparency	Solid	Solid	Solid	Solid
Serviceability	Front	Front	Front	Front
Viewing Angle Horizontal	160°	160°	160°	160°
Viewing Angle Vertical	160°	160°	160°	160°
Scan Ratio	1/16	1/16	1/16	1/16
Refresh Rate	7680Hz	7680Hz	7680Hz	7680Hz
Gray Scale	15bit	15bit	15bit	15bit
Frame Material	Die-casting Aluminum	Die-casting Aluminum	Die-casting Aluminum	Die-casting Aluminum
Processing Platform	Megapixel VR / Brompton	Megapixel VR / Brompton	Megapixel VR / Brompton	Megapixel VR / 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
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, 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



www.roevisual.com

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