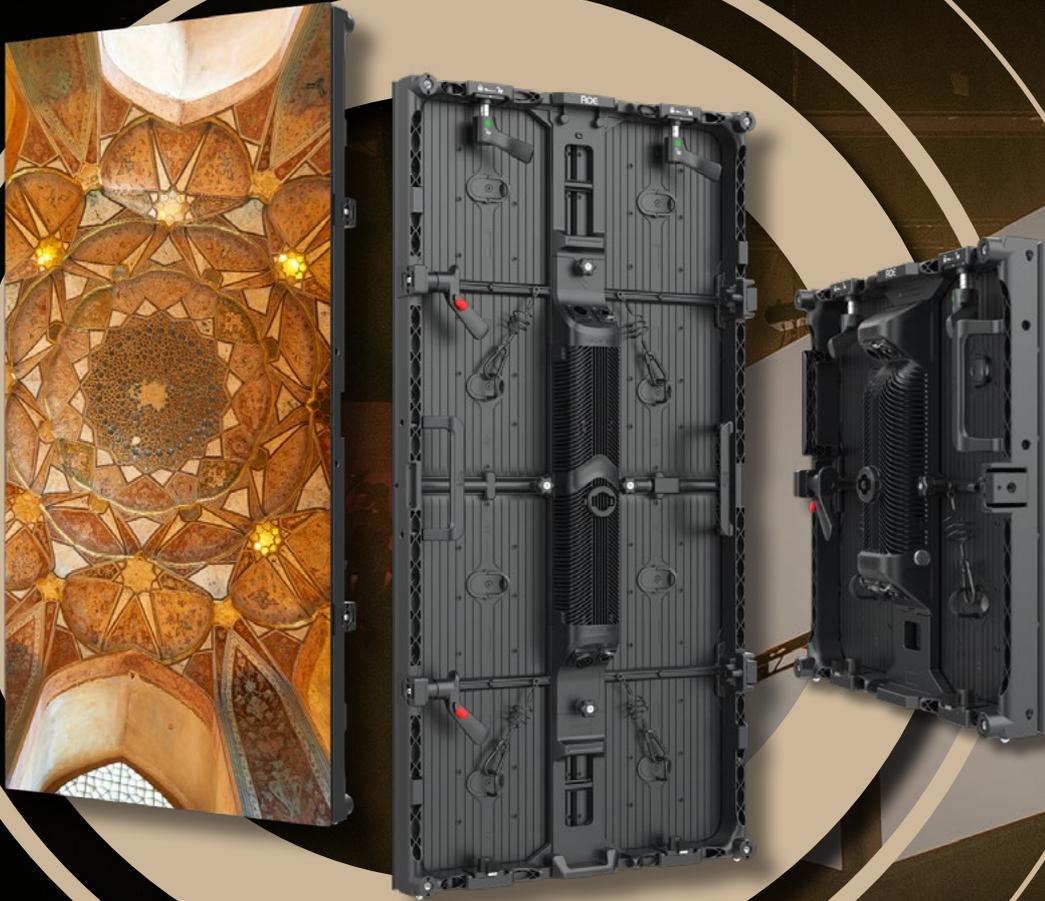# ROE Display Solutions

Jet

Superior LED Solution for Semi-permanent Indoor Applications

INDOOR FIXED INSTALL

Designed for semi-permanent applications, Jet's design is optimized for efficiency and built for performance.

Delivering 1,300 nits of brightness in a lightweight 10.3 kg panel, Jet combines power and practicality in one platform. Built for quick setup, easy maintenance, and exceptional performance in semi-permanent installations.

Engineered for adaptability, Jet delivers reliable performance and can be seamlessly reconfigured to meet the needs of environments such as houses of worship and live events.
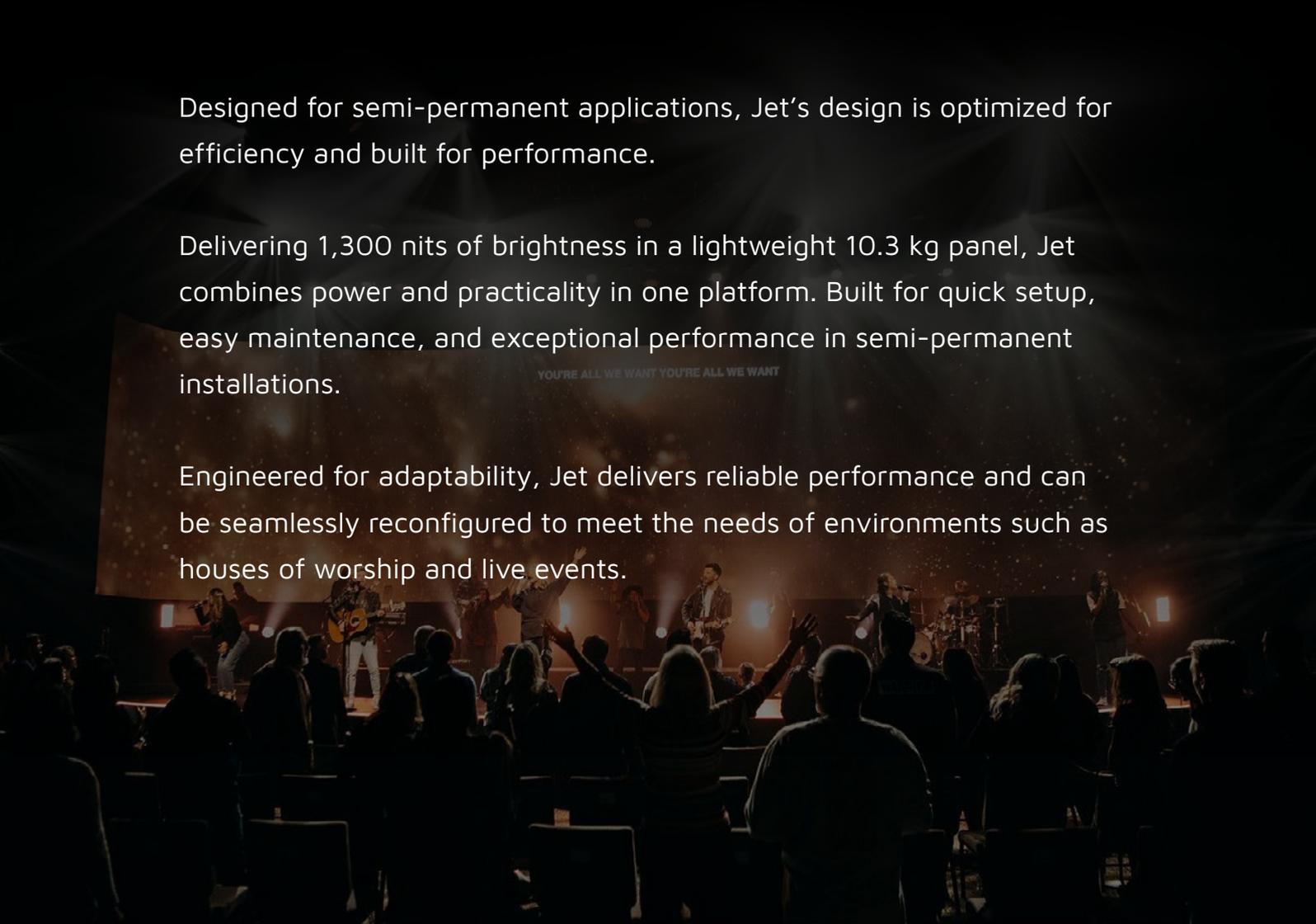
Versatile Applications, Flexible Options

With exceptional flatness and an ultra-wide viewing angle, Jet delivers stunning visual performance for every viewpoint. Its innovative two-step locking system allows for quick, secure setup and greater flexibility in fixed installations such as houses of worship. At the same time, its modular design makes it easy to reconfigure for special occasions.

Unparalleled Visual Performance

With a high refresh rate of 7,680Hz and a brightness of 1,300 nits, Jet delivers smooth, seamless visuals that capture every detail with stunning clarity. The result is exceptional image quality and camera-ready performance.

Its high-contrast mask enhances depth, creating a more immersive viewing experience. Jet is the ideal choice for making your content stand out and captivate audiences.

High refresh rate

Low refresh rate

30%~50% lighter

Unparalleled visual performance

Lightweight

Curving capability

Quick install

Easy maintenance
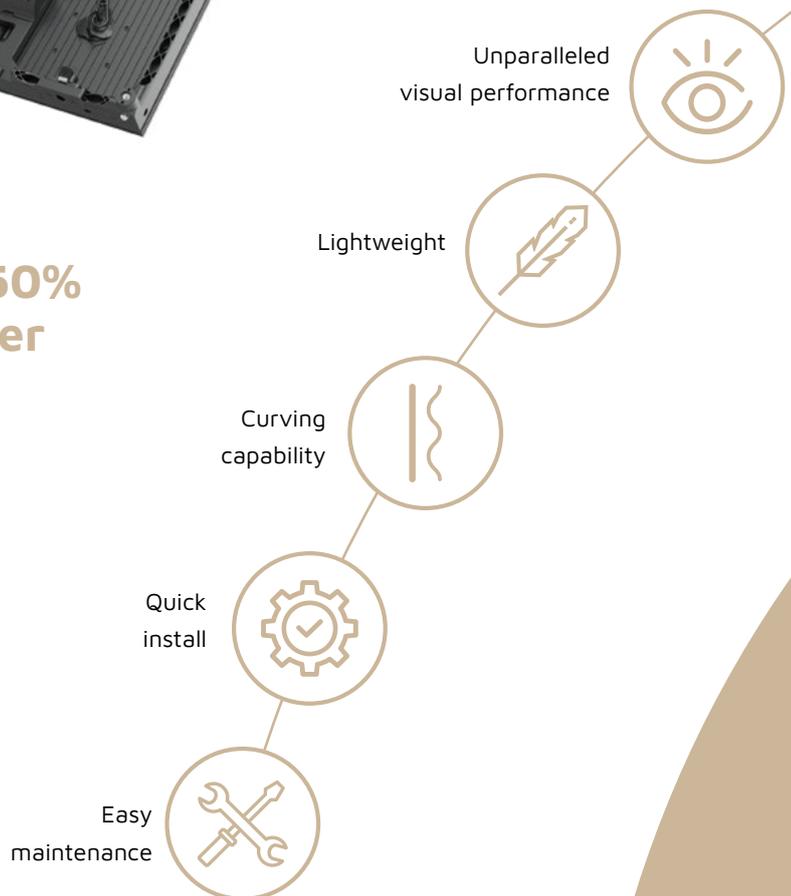
Lightweight and Durable

Each 500×1000 mm Jet panel weighs only 10.3 kg. Its thin yet robust frame design makes Jet 30–50% lighter than conventional LED panels without compromising strength, significantly reducing the effort required for installation and transport.

Installation in Seconds

Install Jet in just two steps — connect and lock. Jet's revolutionary vertical locking system features a magnet-assisted design that allows each panel to be secured effortlessly. Once aligned, a single push of the handle locks it firmly into place. Combined with user-friendly horizontal locks, the system enables large-scale assemblies to be completed in seconds.
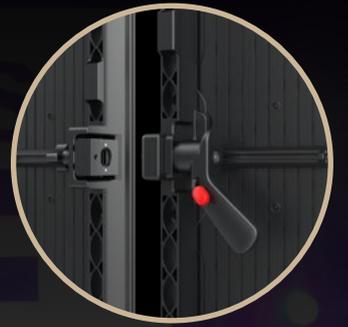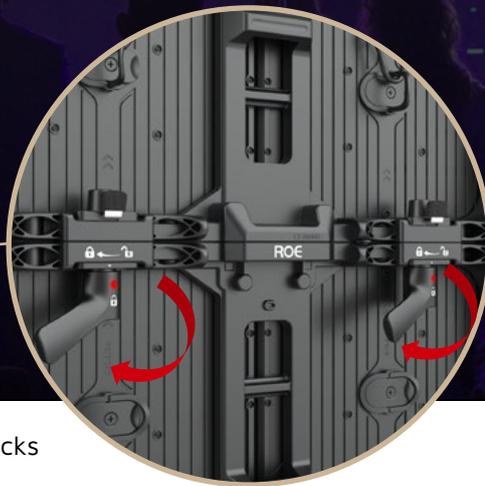

Horizontal locks

STEP 1
connect it

STEP 2
lock it

Vertical locks

Hanging

Stacking

Wall-mounting

Curving Capabilities

Jet supports customizable curving options ranging from **5° convex to 5° concave** (+5°, 0°, -5° blocks). Specific angles can also be made to meet unique project requirements.

Easy Maintenance

Jet's modules are interchangeable, supporting both front and rear maintenance for maximum flexibility. The PSU box installs and removes without tools and can be securely fastened by hand for effortless servicing. Optimized thermal design enhances heat dissipation, ensuring stable, reliable performance.

Jet 1.9 GOB

Jet 1.9 GOB offers stronger protection with a smaller pixel pitch, providing reliable impact resistance as well as anti-dust and waterproof features, which effectively reduce the risk of damage to the LEDs. With improved light uniformity, the visual performance is significantly enhanced.
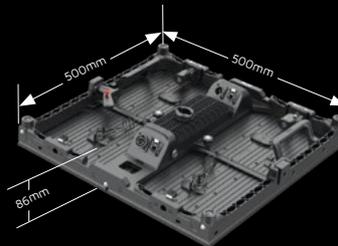
Main Market

House of worship

Theater

Hospitality

Corporate

Specifications

Jet	Jet1.9(GOB)	Jet2.2 Half	Jet2.6 Half	Jet3.1 Half	Jet3.9 Half
Pixel Pitch	1.95mm	2.23mm	2.604mm	3.125mm	3.91mm
Max Brightness Calibrated	1000nits	1000nits	1300nits	1300nits	1300nits
Panel Dimension	500mm x 500mm x 86mm 19.7" x 19.7" x 3.4"	500mm x 500mm x 86mm 19.7" x 19.7" x 3.4"	500mm x 500mm x 86mm 19.7" x 19.7" x 3.4"	500mm x 500mm x 86mm 19.7" x 19.7" x 3.4"	500mm x 500mm x 86mm 19.7" x 19.7" x 3.4"
Panel Resolution (H x V)	256 x 256	224 x 224	192 x 192	160 x 160	128 x 128
Panel Weight	6.1kg; 13.4lbs	6kg; 13.2lbs	5.8kg; 12.8lbs	5.8kg; 12.8lbs	5.8kg; 12.8lbs
Panel Power Consumption Max / Average	140W / 70W	140W / 70W	140W / 70W	140W / 70W	145W / 72.5W
Panel BTU Max / Average	480 / 220	480 / 220	480 / 220	480 / 220	495 / 230
Transparency	Solid	Solid	Solid	Solid	Solid
Serviceability	Front / Rear	Front / Rear	Front / Rear	Front / Rear	Front / Rear
Curving (Concave & Convex)	Concave 5°, 0°	Concave 5°, 0°, Convex 5°	Concave 5°, 0°, Convex 5°	Concave 5°, 0°, Convex 5°	Concave 5°, 0°, Convex 5°
Max. Hanging (panels) *1	24	24	24	24	24
Max. Stacking (panels) *2	12	12	12	12	12
LED Configuration	SMD 1212 Black	SMD 1212 Black	SMD 1515 Black	SMD 1515 Black	SMD 1515 Black
Viewing Angle Horizontal	160°	160°	160°	160°	160°
Viewing Angle Vertical	140°	140°	140°	140°	140°
Scan Ratio	1/16	1/16	1/16	1/16	1/16
Refresh Rate	7680Hz	7680Hz	7680Hz	7680Hz	7680Hz
Gray Scale	16bit	16bit	16bit	16bit	16bit
Frame Material	Magnesium Alloy	Magnesium Alloy	Magnesium Alloy	Magnesium Alloy	Magnesium Alloy
Installation	Hanging / Stacking / Mounting	Hanging / Stacking / Mounting	Hanging / Stacking / Mounting	Hanging / Stacking / Mounting	Hanging / Stacking / Mounting
Processing Platform	Brompton / Megapixel / Evision / Novastar	Brompton / Megapixel / Evision / Novastar	Brompton / Megapixel / Evision / Novastar	Brompton / Megapixel / Evision / Novastar	Brompton / Megapixel / Evision / Novastar
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
Storage Temp / Humidity	-20~50°C, 10-90%RH -4~122°F, 10-90%RH	-20~50°C, 10-90%RH -4~122°F, 10-90%RH	-20~50°C, 10-90%RH -4~122°F, 10-90%RH	-20~50°C, 10-90%RH -4~122°F, 10-90%RH	-20~50°C, 10-90%RH -4~122°F, 10-90%RH
IP Rating	IP40	IP40	IP40	IP40	IP40
Certifications	CE, ETL, FCC, UKCA, ROSH, WEEE	CE, ETL, FCC, UKCA, ROSH, WEEE	CCE, ETL, FCC, UKCA, ROSH, WEEE	CE, ETL, FCC, UKCA, ROSH, WEEE	CE, ETL, FCC, UKCA, ROSH, WEEE

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

1. 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.

2. 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.

Specifications

Jet	Jet2.2	Jet2.6	Jet3.1	Jet3.9
Pixel Pitch	2.23mm	2.604mm	3.125mm	3.91mm
Max Brightness Calibrated	1000nits	1300nits	1300nits	1300nits
Panel Dimension	500mm x 1000mm x 86mm 19.7" x 39.4" x 3.4"	500mm x 1000mm x 86mm 19.7" x 39.4" x 3.4"	500mm x 1000mm x 86mm 19.7" x 39.4" x 3.4"	500mm x 1000mm x 86mm 19.7" x 39.4" x 3.4"
Panel Resolution (H x V)	224 x 448	192 x 384	160 x 320	128 x 256
Panel Weight	10.8kg; 23.76lbs	10.3kg; 22.7lbs	10.3kg; 22.7lbs	10.3kg; 22.7lbs
Panel Power Consumption Max / Average	280W / 140W	280W / 140W	280W / 140W	290W / 145W
Panel BTU Max / Average	955 / 440	955 / 440	955 / 440	990 / 455
Transparency	Solid	Solid	Solid	Solid
Serviceability	Front / Rear	Front / Rear	Front / Rear	Front / Rear
Curving (Concave & Convex)	Concave 5°, 0°, Convex 5°	Concave 5°, 0°, Convex 5°	Concave 5°, 0°, Convex 5°	Concave 5°, 0°, Convex 5°
Max. Hanging (panels) *1	12	12	12	12
Max. Stacking (panels) *2	6	6	6	6
LED Configuration	SMD 1212 Black	SMD 1515 Black	SMD 1515 Black	SMD 1515 Black
Viewing Angle Horizontal	160°	160°	160°	160°
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	16bit	16bit	16bit
Frame Material	Magnesium Alloy	Magnesium Alloy	Magnesium Alloy	Magnesium Alloy
Installation	Hanging / Stacking / Mounting	Hanging / Stacking / Mounting	Hanging / Stacking / Mounting	Hanging / Stacking / Mounting
Processing Platform	Brompton / Megapixel / Evision / Novastar	Brompton / Megapixel / Evision / Novastar	Brompton / Megapixel / Evision / Novastar	Brompton / Megapixel / Evision / Novastar
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	-20~50°C, 10~90%RH -4~122°F, 10~90%RH	-20~50°C, 10~90%RH -4~122°F, 10~90%RH	-20~50°C, 10~90%RH -4~122°F, 10~90%RH	-20~50°C, 10~90%RH -4~122°F, 10~90%RH
IP Rating	IP40	IP40	IP40	IP40
Certifications	CE, ETL, FCC, UKCA, ROSH, WEEE	CE, ETL, FCC, UKCA, ROSH, WEEE	CE, ETL, FCC, UKCA, ROSH, WEEE	CE, ETL, FCC, UKCA, ROSH, WEEE

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

1. 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.

2. 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

YOUR SPACE
OUR PASSION