

INFILED

Screen your dreams



RS SERIES

Lighter weight. More Protection. More Creative Forms.

STAGE | EXHIBITION | DOOH

THE PINNACLE OF LIGHTWEIGHT DESIGN & TECH INTEGRATION IS NOW AVAILABLE.

The RS series cabinets in standard size are no more than 9.45kg in weight, making them 25-35% lighter than similar cabinets in the industry. These cabinets are offered in sizes of 500*500mm and 500*1000mm and are equipped with a flexible curve adjustment system. Furthermore, they showcase exceptional compatibility with other INFiLED products, allowing for the effortless creation of multiple attractive shaped screens for various applications.

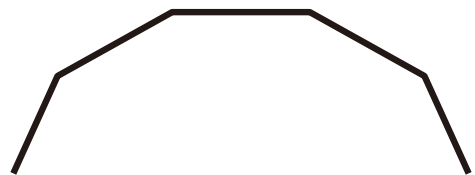
◆ Flat Screen

Clean, efficient setup for standard rental displays.



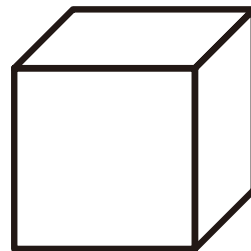
◆ Curved Screen

Adjustable curvature at $\pm 10^\circ$, $\pm 7.5^\circ$, $\pm 5^\circ$, $\pm 2.5^\circ$, and 0° supports smooth concave and convex screen setups.



◆ Cube Display

RS + MC2RS supports 90° right-angle connection for six-sided cube displays.



◆ Large Curves & Corner Forms

RS + MC2RS + Xmk3 supports large-angle curved layouts up to $\pm 45^\circ$ and right-angle creative forms for more flexible screen configurations.



◆ Customized Rounded Corners

Rounded-corner layout creates softer edges and more flexible visual structures.



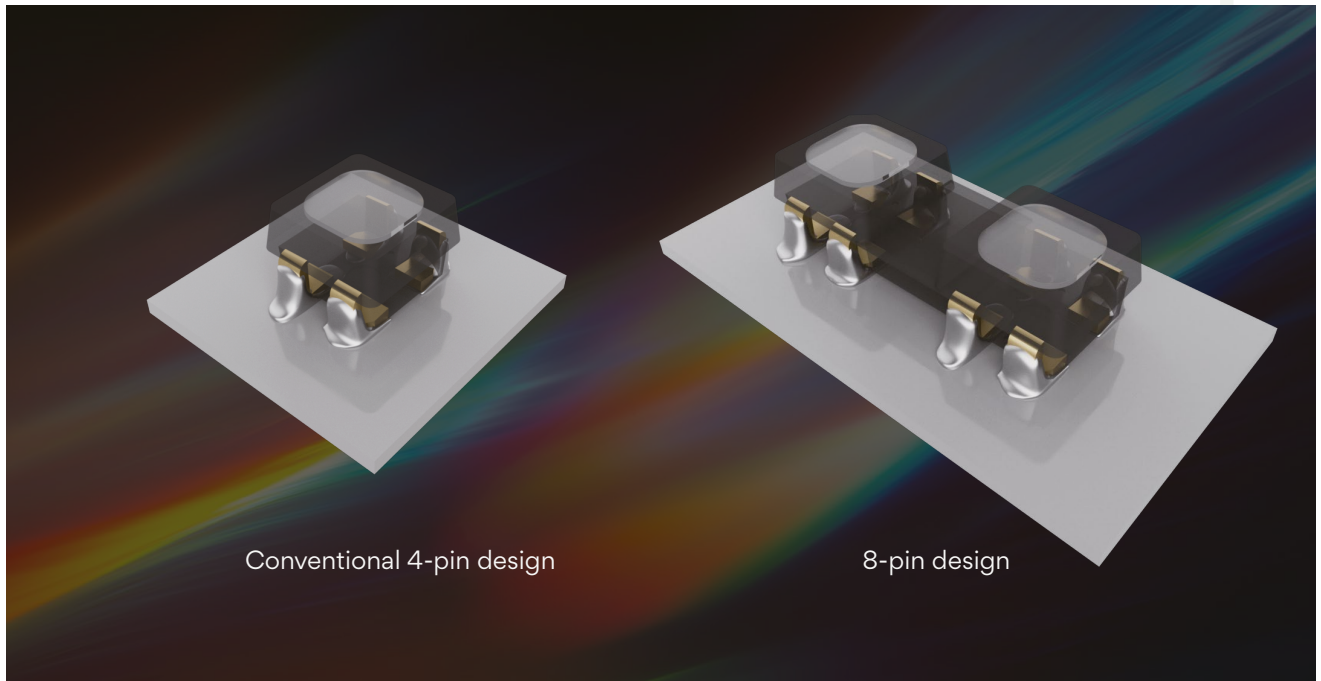
FLEXIBILITY AND DEPENDABILITY

Regardless of the scale or complexity of your rental installation, our screens deliver an outstanding visual experience.



STRONGER WHERE IT MATTERS MOST

Rental LED screens move from truck to truss, from setup to teardown, again and again. RS integrates ArmorLED Technology to strengthen LED protection across high-frequency rental use.



- Improves LED adhesion and impact resistance by 4-10x
- Enhances resilience during repeated setup, disassembly and transit
- Helps reduce long-term maintenance requirements

The result is a more durable display surface suited to fast-turnaround rental use.

A SMART SYSTEM BUILT FOR QUICK SETUP AND EASY MAINTENANCE.

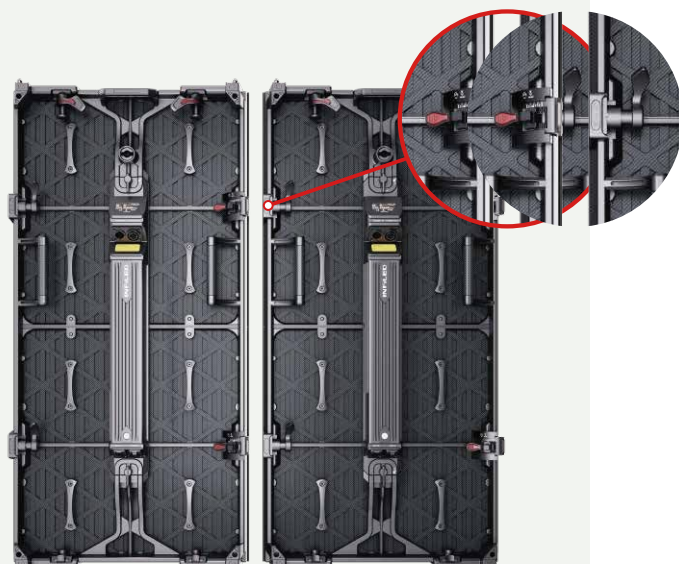
Explore the unique characteristics that set our product apart from others, delivering unparalleled performance and flexibility.



◆ Installation

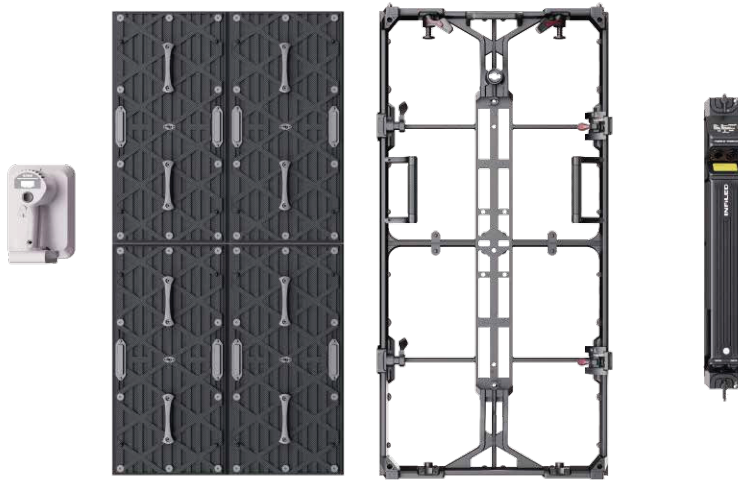
- Applies a patented quick lock system, featuring positioning columns and holes to secure the cabinets together.
- The system can connect the upper and lower cabinets with high precision, reducing the workload and allowing for quick installation.

- Equipped with left and right locks and arc locks to complete the cabinet connection and screen arc adjustment.

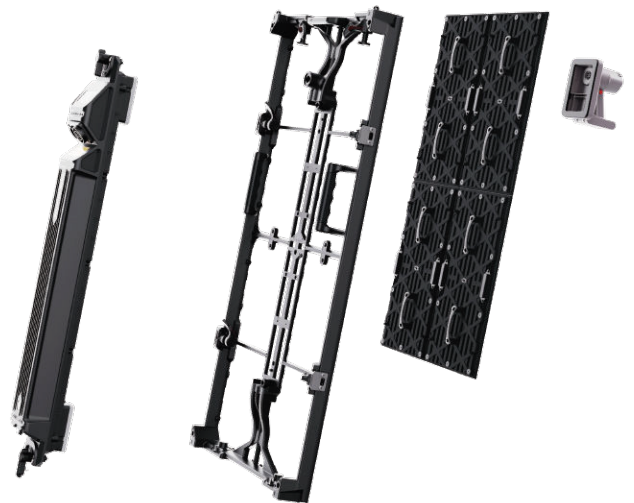


◆ Maintenance

- Separate and 5-second quick-detachable PDU. No tools are needed to remove and replace the PDU central control unit, making it easy to maintain.

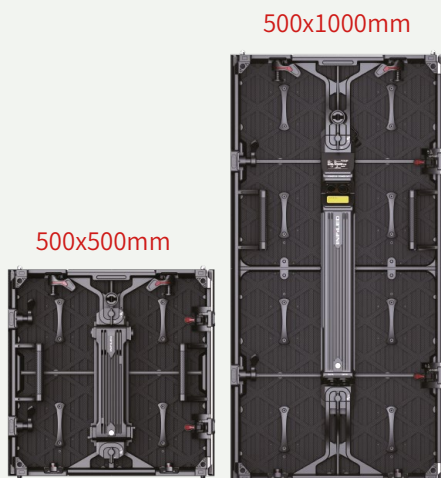


- This series of indoor LED display screens supports front and rear maintenance.
- A magnetic vacuum tool (optional) is available for quick removal of faulty LED modules.



◆ Flexibility

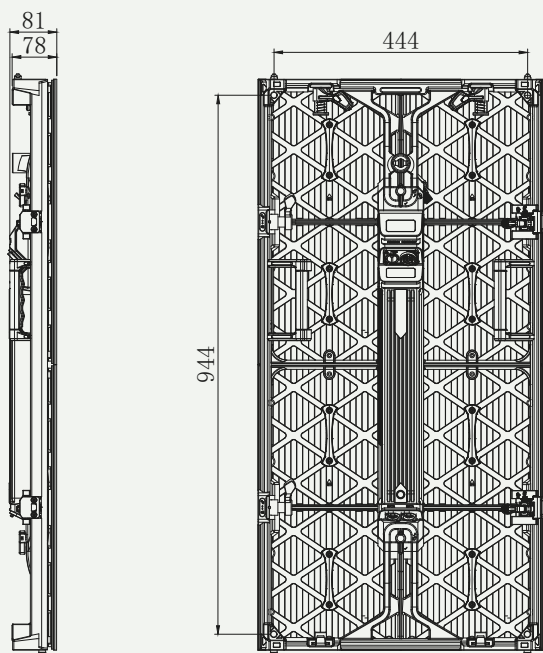
- The product is designed to be stackable and is compatible with the DBmk2 stacking system, featuring stacking joints.
- The cabinets can be installed with stacking brackets and hanging beams commonly used in event spaces.
- Under a 10 times safety factor, RS supports stacking up to 6 m and hanging up to 15 m.



◆ Vertical Mixed-Size Splicing

500 × 500 mm and 500 × 1000 mm cabinets support vertical mixed-size layouts, giving more flexibility in screen height and proportion.

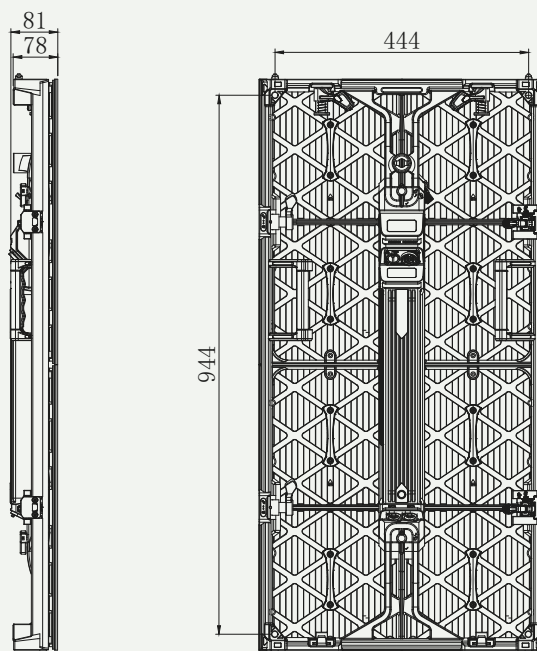
SPECIFICATIONS



Indoor

General Information	Model Number	IL-RSS-IRRS2.5-Ultra	IL-RSS-IRRS2.6-Ultra	IL-RSS-IRRS2.5-Lite	IL-RSS-IRRS2.97-Lite
	Pixel Pitch	2.5mm	2.6mm	2.5mm	2.97mm
Physical Parameter	Physical Density	160,000pixels/m ²	147456pixel/m ²	160,000pixels/m ²	112,896 pixel/m ²
	LED Arrangement	IMD 2 in 1	IMD 2 in 1	3 IN 1 SMD	3 IN 1 SMD
	Module Resolution (W x H)	100x200pixels	96 x 192pixels	100x200pixels	84 x 168 pixels
	Module Dimensions (W x H, mm)	250x500mm(9.84x19.69in)	250x500mm(9.84x19.69in)	250x500mm(9.84x19.69in)	250x500mm(9.84x19.69in)
	Cabinet Resolution	200x400pixels	192 x 384 pixels	200x400pixels	168 x 336 pixels
	Cabinet Dimensions (mm/inch)	500x1000x81mm (19.69x39.37x3.19in)	500x1000x81mm (19.69x39.37x3.19in)	500x1000x81mm (19.69x39.37x3.19in)	500x1000x81mm (19.69x39.37x3.19in)
	Cabinet Weight (Unit case)	9.45 kg (20.83 lb)	9.45 kg (20.83 lb)	9.2 kg (20.28 lb)	9.2 kg (20.28 lb)
Optical Parameter	Brightness (After Calibration)	1,200nits	1,200nits	1,000nits	1,000nits
	Viewing Angle	160°/160°	160°/160°	160°/160°	160°/160°
Power Supply	Max. Power Consumption(W/Unit)	270W/Panel	270W/Panel	270W/Panel	270W/Panel
	Avg. Power Consumption(W/Unit)	90W/Panel	90W/Panel	90W/Panel	90W/Panel
	Operating Power Source	100-240V AC, 50-60Hz	100-240V AC, 50-60Hz	100-240V AC, 50-60Hz	100-240V AC, 50-60Hz
Control System	Refresh Rate	7,680Hz	7,680Hz	7,680Hz	7,680Hz
	Signal Input Source	DVI, HDMI, DP, SDI	DVI, HDMI, DP, SDI	DVI, HDMI, DP, SDI	DVI, HDMI, DP, SDI
Operation Conditions	Operating Temperature	-10°C~+45°C	-10°C~+45°C	-10°C~+45°C	-10°C~+45°C
	IP Rating (Front/Rear)	IP30	IP30	IP30	IP30
	Certification	CE, FCC, ETL,ROHS,REACH, WEEE	CE, FCC, ETL,ROHS,REACH, WEEE	CE, FCC, ETL,ROHS,REACH, WEEE	CE, FCC, ETL,ROHS,REACH, WEEE

The product specifications can be customized.



Outdoor

General Information	Model Number	IL-RSS-ORRS3.91-Lite	IL-RSS-ORRS3.91-Turbo	IL-RSS-ORRS4.81-Lite	IL-RSS-ORRS6.94-Lite
	Pixel Pitch	3.91mm	3.91mm	4.81mm	6.94mm
Physical Parameter	Physical Density	65,536pixels/m ²	65,536pixels/m ²	43,264 pixel/m ²	20,736 pixel/m ²
	LED Arrangement	3 IN 1SMD	3 IN 1SMD	3 IN 1 SMD	3 IN 1 SMD
	Module Resolution (W x H)	64 x 128 pixels	64 x 128 pixels	52 x 104 pixels	36 x 72 pixels
	Module Dimensions (W x H, mm)	250x500mm(9.84x19.69in)	250x500mm(9.84x19.69in)	250x500mm(9.84x19.69in)	250x500mm(9.84x19.69in)
	Cabinet Resolution	128 x 256 pixels	128 x 256 pixels	104 x 208 pixels	72 x 144 pixels
	Cabinet Dimensions (mm/inch)	500x1000x81mm (19.69x39.37x3.19in)	500x1000x81mm (19.69x39.37x3.19in)	500 x 1000 x 81.7 mm (19.69 x 39.37 x 3.22 in)	500 x 1000 x 82.3 mm (19.69 x 39.37 x 3.24 in)
	Cabinet Weight (Unit case)	8.7 kg (19.18 lb)	8.7 kg (19.18 lb)	8.7 kg (19.18 lb)	8.7 kg (19.18 lb)
Optical Parameter	Brightness (After Calibration)	5,000nits	3,000nits	4,500nits	5,000nits
	Viewing Angle	160°/140°	160°/140°	160°/130°	160° / 110°
Power Supply	Max. Power Consumption(W/Unit)	300 W/Panel	300 W/Panel	300W/Panel	300W/Panel
	Avg. Power Consumption(W/Unit)	100 W/Panel	100 W/Panel	100W/Panel	100W/Panel
	Operating Power Source	100-240V AC, 50-60Hz	100-240V AC, 50-60Hz	100-240V AC, 50-60Hz	100-240V AC, 50-60Hz
Control System	Refresh Rate	7,680Hz	7,680Hz	3,840Hz	7,680Hz
	Signal Input Source	DVI, HDMI, DP, SDI	DVI, HDMI, DP, SDI	DVI, HDMI, DP, SDI	DVI, HDMI, DP, SDI
Operation Conditions	Operating Temperature	-20°C--+50°C	-20°C--+50°C	-20°C--+50°C	-20°C--+50°C
	IP Rating (Front/Rear)	IP65	IP65	IP65	IP65
	Certification	CE, FCC, ETL,ROHS,REACH, WEEE	CE, FCC, ETL,ROHS,REACH, WEEE	CE, FCC, ETL,ROHS,REACH, WEEE	CE, FCC, ETL,ROHS,REACH, WEEE

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