PRODUCT BROCHURE

Xtreme Flexible Series

Rental LED Screen | Indoor & Outdoor

Xtreme Flexible Series Rental LED Display delivers stunning visual clarity and durability for indoor & outdoor events. Featuring advanced GOB (Glue on Board) technology, it offers superior protection against impact, dust, and moisture while maintaining exceptional image quality. With ultra-fine pixel pitch, high brightness, and seamless splicing, it ensures vivid, lifelike visuals even at close distances. Designed with lightweight die-cast aluminum panels and a quick-lock system, it provides fast installation, reliable performance, and outstanding stability — perfect for stage rental, exhibitions, and broadcast applications.



P1.953–P4.81
Indoor / outdoor pixel pitch range

500×500 / 1000
Multiple panel size options

Curve Lock ±7.5°
Flexible Panel ±22.5°
Inner / outer arc adjustment

IP54 / IP65
Indoor / outdoor protection

Product platform.

Indoor and outdoor specifications share the same rental-ready cabinet logic, supporting efficient project planning and fast site deployment.

Indoor Cabinet Platform



- 250×250mm module size
- 500×500mm / 500×1000mm cabinet
- P1.953 / P2.604 / P2.976 / P3.91 / P4.81

Outdoor Cabinet Platform



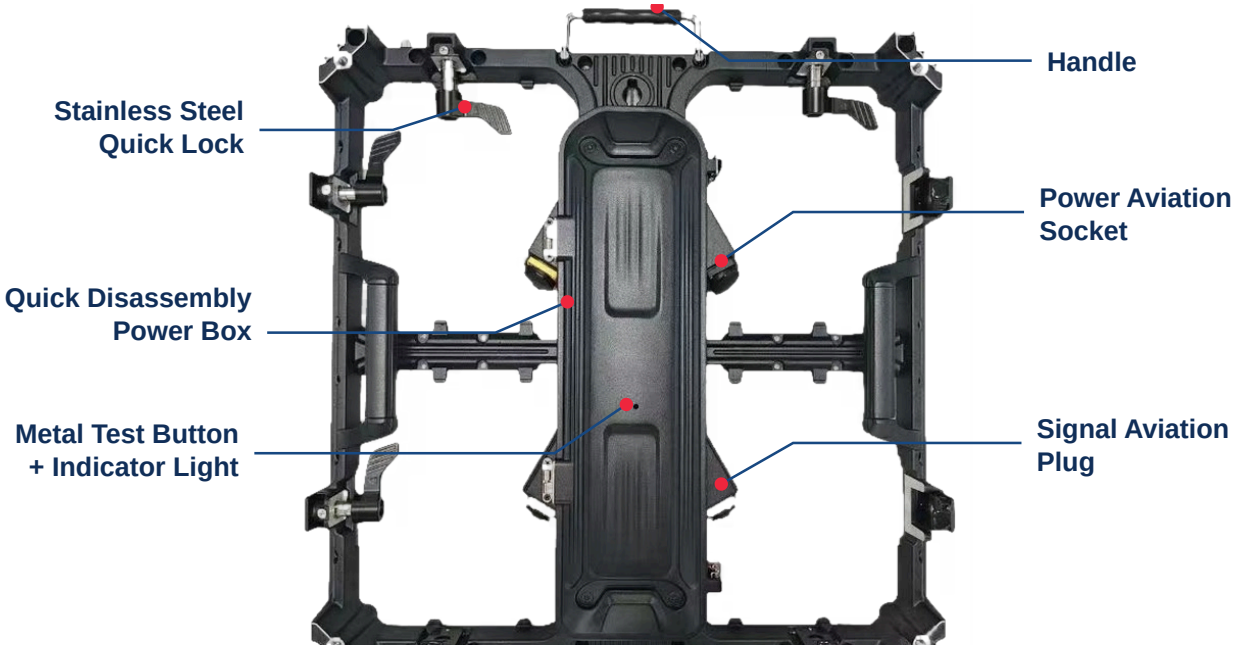
- High brightness 3500-7500cd/m² (outdoor)
- IP65 outdoor protection
- P2.604 / P2.976 / P3.91 / P4.81

Product logic

- Die-casting aluminum cabinet for frequent rental handling
- Cable-free module and HUB board connection
- Anti-drop module design for safer maintenance
- Front / rear maintenance flexibility

Rental-ready features.

Designed for repeated assembly, quick servicing, reliable operation and clean visual output in professional events.



Ultra-light Cabinet

7.2kg per 500×500 cabinet and 13kg per 500×1000 cabinet reduce rigging and handling load.

Quick Installation

Quick-lock structure supports fast cabinet alignment, locking and dismantling on site.

Front / Rear Maintenance

Modules and key components can be serviced from front or rear according to project access.

Stable Signal & Power

Power aviation socket and signal aviation plug improve installation reliability.

Anti-drop Safety

Anti-drop locks between module and cabinet support safer rental operation.

Vivid Performance

High brightness, 13-bit grayscale and high refresh rate keep images smooth and clear.

Core rental promise: lighter handling, faster build, safer maintenance, richer image performance.

Mixed cabinet & curved splicing.

Standard, large-size, 45° corner and arc combinations make the system suitable for flat walls, stage corners, columns and creative rental screens.

500×500 + 500×1000 Mixed Size



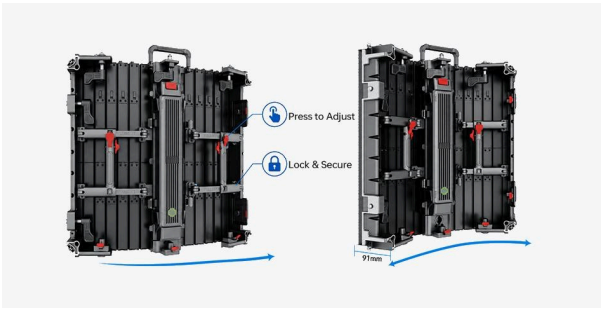
Unified module logic simplifies mixed-size project layouts.

45° Corner Cabinet



Cut-angle cabinets support clean inside / outside corner transitions.

Inner / Outer Arc Adjustment

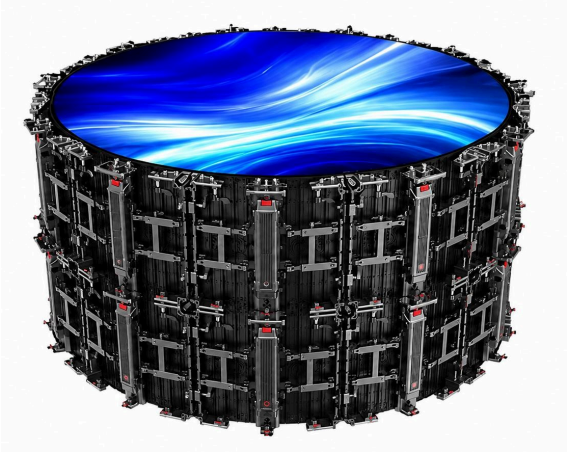


Outer Arc ±22.5°

Inner Arc ±22.5°

A single cabinet can be adjusted between -22.5° and +22.5° with the radian lock.

Circular / Column Application



Curved layouts can form circular screens, column wraps and immersive stage shapes.

Splicing options: flat screen / 45° corner / inner arc / outer arc / round column screen

Installation methods & rental scenes.

Suitable for hanging, fixed, stacked and back-support H-frame installation in stage rental environments.





Hanging Installation



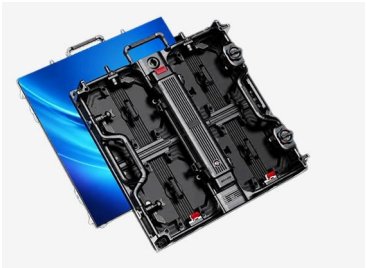
Truss + hanging beam + cabinet quick locks

Back H-frame Support



Ground support / safety ballast

Application Scenes



Stage rental / exhibition / conference / broadcast / creative commercial scenes

Installation types: Hanging / Fixed / Stacking / Back H-frame support.
Application: Indoor & outdoor rental events.

Xtreme Flexible Series specifications.

Indoor & Outdoor Rental LED Screen · 250×250mm module platform · 500×500 / 500×1000mm cabinet system

Pixel Pitch (mm)	Indoor					Outdoor			
	P1.9	P2.6	P2.9	P3.9	P4.8	P2.6	P2.9	P3.9	P4.8
Pixel Density (px/m²)	262,144	147,456	112,896	65,536	43,264	147,456	112,896	65,536	43,264
LED Lamp	SMD1515			SMD2121		SMD1415		SMD1921	
Module Size (W × H)	250×250mm								
Module Resolution (px)	128×128	96×96	84×84	64×64	52×52	96×96	84×84	64×64	52×52
Panel Resolution (px)	256×256 / 256×512	192×192 / 192×384	168×168 / 168×336	128×128 / 128×256	104×104 / 104×208	192×192 / 192×384	168×168 / 168×336	128×128 / 128×256	104×104 / 104×208
Panel Size (W × H × D)	500×500×84mm / 500×1000×84mm								
Material	Die-casting Aluminium Cabinet								
Weight (±0.25kg)	7.2 kg (500×500) / 13 kg (500×1000)					7.5 kg (500×500) / 14 kg (500×1000)			
Curve Range (outer arc)	-22.5° ~ +22.5° adjustable / arc lock								
Corner Cabinet	45-degree panel adapts to 90-degree corner installation					—			
Viewing Angle	H160°, V160°					H160°, V160°			
Minimum Viewing Distance	≥1.9m	≥2.6m	≥2.9m	≥3.9m	≥4.8m	≥2.6m	≥2.9m	≥3.9m	≥4.8m
Driving Mode	1/32	1/32	1/28	1/16	1/13	1/20	1/21	1/16	1/13
Gray Scale	13 bit								
Refresh Rate	3840Hz								
Maintenance Mode	Front & Rear								
Power Consumption	Max ≤600W/m² Avg ≤210W/m²		Max ≤500W/m² Avg ≤180W/m²			Max ≤720W/m² Avg ≤260W/m²			
Input Voltage	100~240VAC, 50/60Hz								
Brightness	600 to 1000 nits					3500 to 7500 nits			
Ingress Protection	IP54					IP65			
Operating Temperature & Humidity	-20°C ~ +50°C / 10%RH ~ 60%RH					-20°C ~ +50°C / 10%RH ~ 90%RH			
Lifetime at 50% Brightness	100,000 hours								

XTREME FLEXIBLE SERIES / RENTAL LED SCREEN

Lighter handling. Faster build.

Indoor & Outdoor Rental LED Screen



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