

3D Robotic LED Screen

Digital Display & Advertising Solution

Specification Parameters



Pixel	R1 Indoor Robotic Screen Cabinet	R1 Outdoor Robotic Screen Cabinet
Model	160-200-I	500-600-O
Pitch	Indoor-P1.98	Outdoor-P10
LED Module Dimension(WxH)(mm)	160×160	495×245
Gap between Units(mm)	1(0.5~1.5)	5(3.5~6.5)
Motion Unit Dimension(WxH)(mm)	160×160 (0.0256m ²)	495×495 (0.25m ²)
Resolution of Unit	80×80	48×48
Cabinet Dimension(Motion Units Qty)	640×480 (4×3)	1000×1000 (2×2)
Cabinet Thickness (Standby mode) (mm)	320	1400
Max. Forward Stroke(mm)	200	600
Max. Forward Speed(mm/s)	300	800
Min. Forward-back Cycle Time(s)	< 0.7	< 1.5
Motion Qty per Sqm	39	4
Weight per Sqm(Kg/m ²)	80	180
Max. Power Capacity(w/m ²)	900	1500
Power Supply Requirement	≤3KW:220V Single phase ≥3KW:380V Three phases/Five wires	380V Three phases /Five wires
Screen Brightness(cd/m ²)	≥700	≥7000
Ambient Temperature(°C)	0~40°C	-10~60°C
IP Rating	IP40	IP65
Environmental Attentions	No etchant gas, No inflammable gas, No oiled mist and dust	
Heat Dissipation	Open self-cooling (with fan cooling)	Semi-closed Self-cooling (with fan cooling)

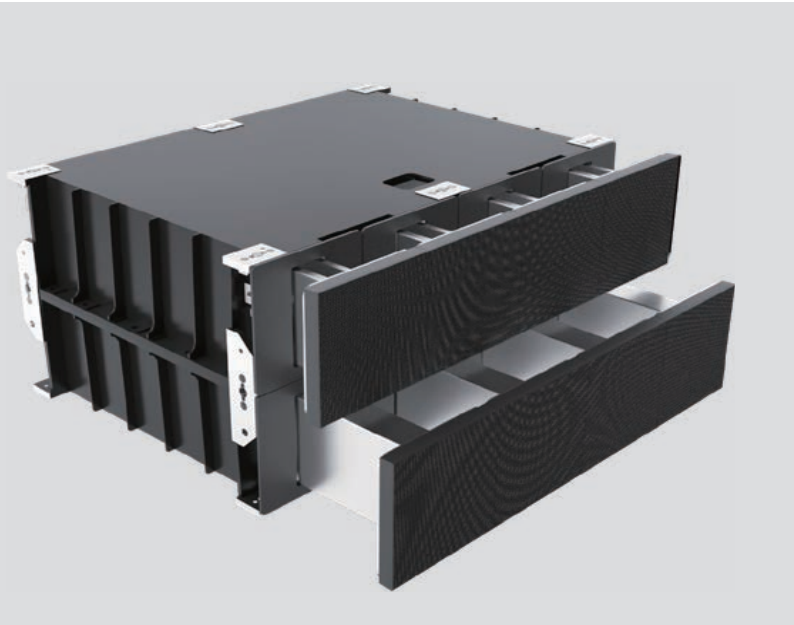
Interactive Function

By doing telescopic motion, the motion unit can not only present the content of the screen in three dimensions, but also sense the movements of the audience and make interactions. Support event-triggered interaction, real-time interaction and other methods to bring real-time fun and participation to the audience.

Strong Weather Resistance

Withstand severe weather such as typhoons, heavy rains, sand and dust, high temperatures, and severe cold temperature.





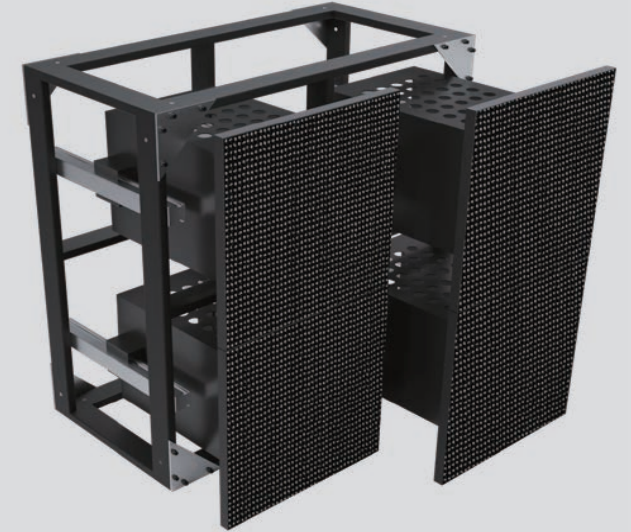
Modular Design

514mmx257mm 8-in-1 independent die-casting aluminium cabinet, more accurate and faster installation.



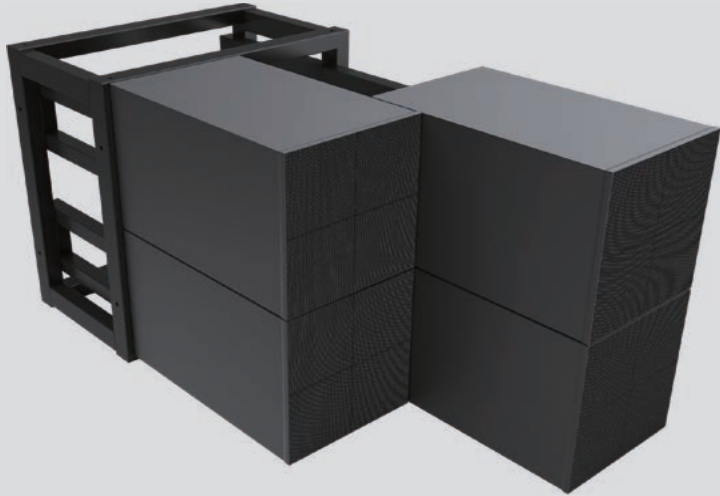
Multiple Noise Reduction Design

Adopt closed-loop stepping drive system, effectively reduce 70% noise.



Front Maintenance Ultra-Thin Design

Front maintenance ultra-thin design suitable for embedded compact installation



Forward Stroke

The forward stroke can reach 600mm, which makes the 3D visual effect more realistic



Independent Development

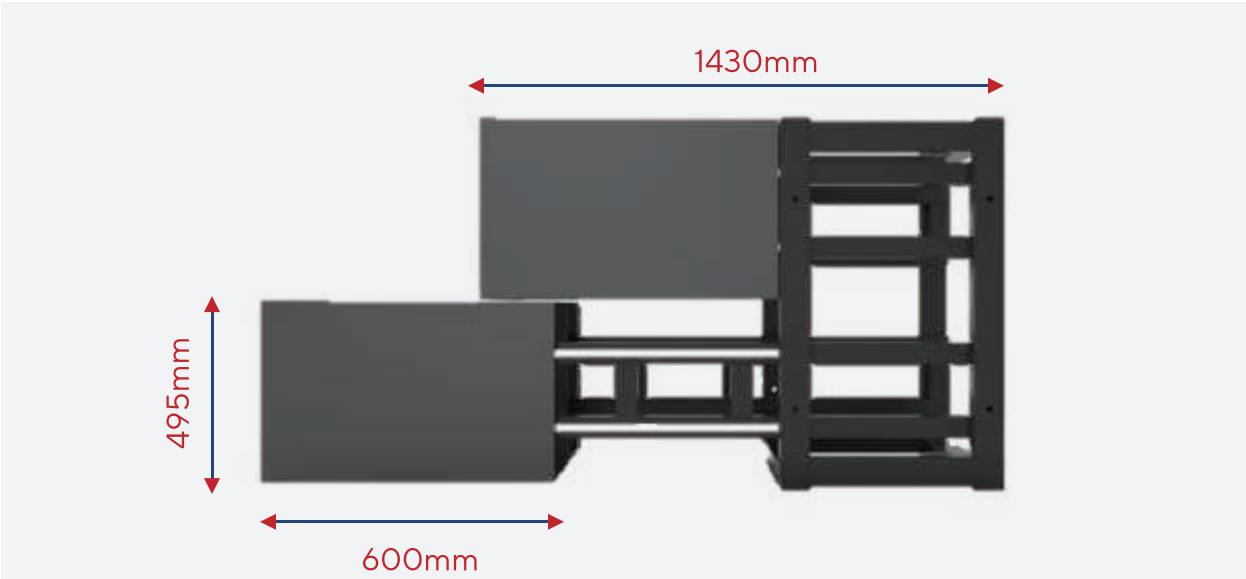
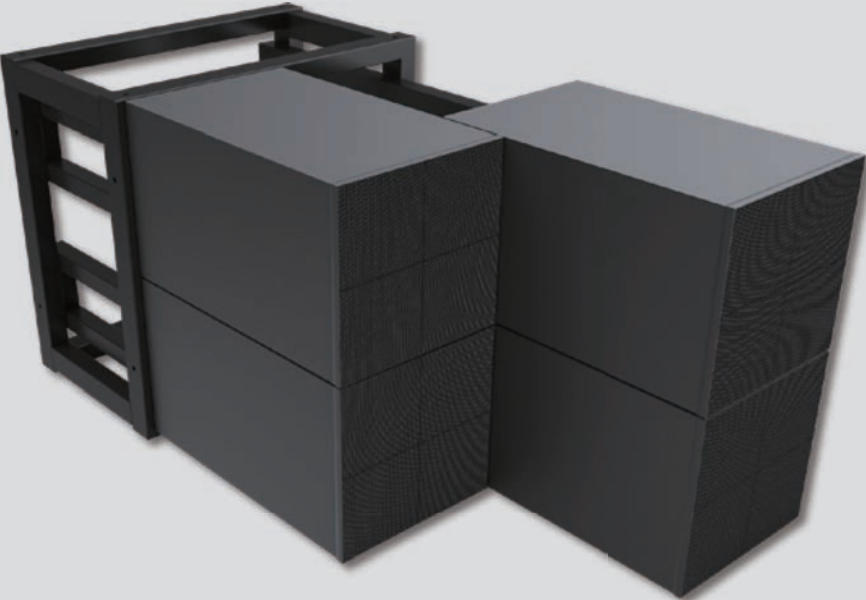
The digital content editing software especially suitable for the INFIPIXEL wave screen simplifies the production process of movies and actions and makes the creative output as simple as a 3D game.



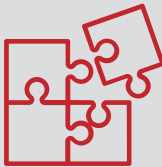
Precision Machining Technology

Industrial-grade linear guide rails are used to ensure that the module gap is only 1.5mm

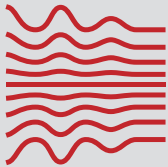
Product Features



Key Features :



Modular Design



Multiple Noise Reduction

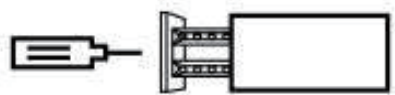


Easy Maintenance



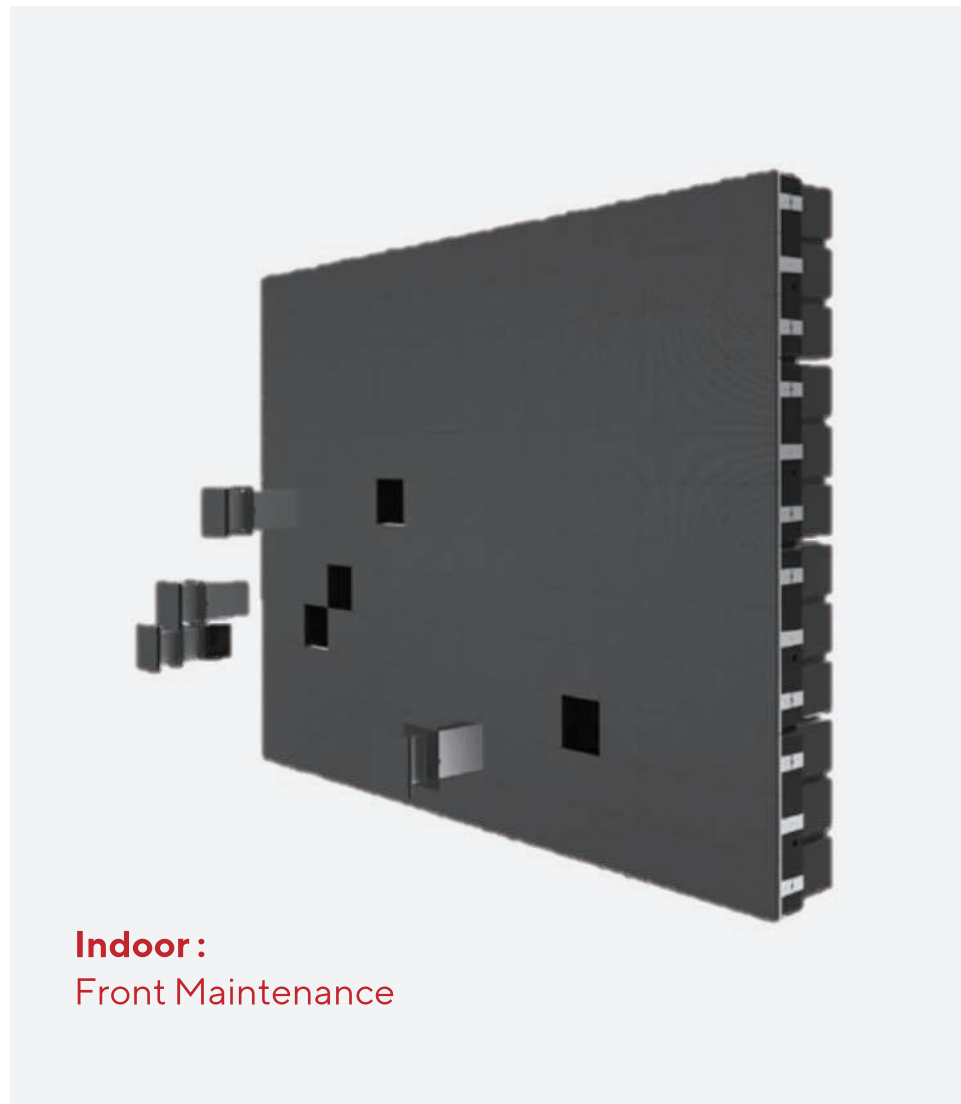
Precision Matching Technology

Convenient Maintenance



The Indoor adopts the front maintenance which is convenient and quick.

The Outdoor adopts internal maintenance, which is safe and completely waterproof.



Indoor:
Front Maintenance



Outdoor:
Rear Maintenance