Transparent LED Display

STR Series

Pixel Pitch (mm) : 3.9-7.8 / 5.2-10.4 / 10.4-10.4 / 15.6-15.6

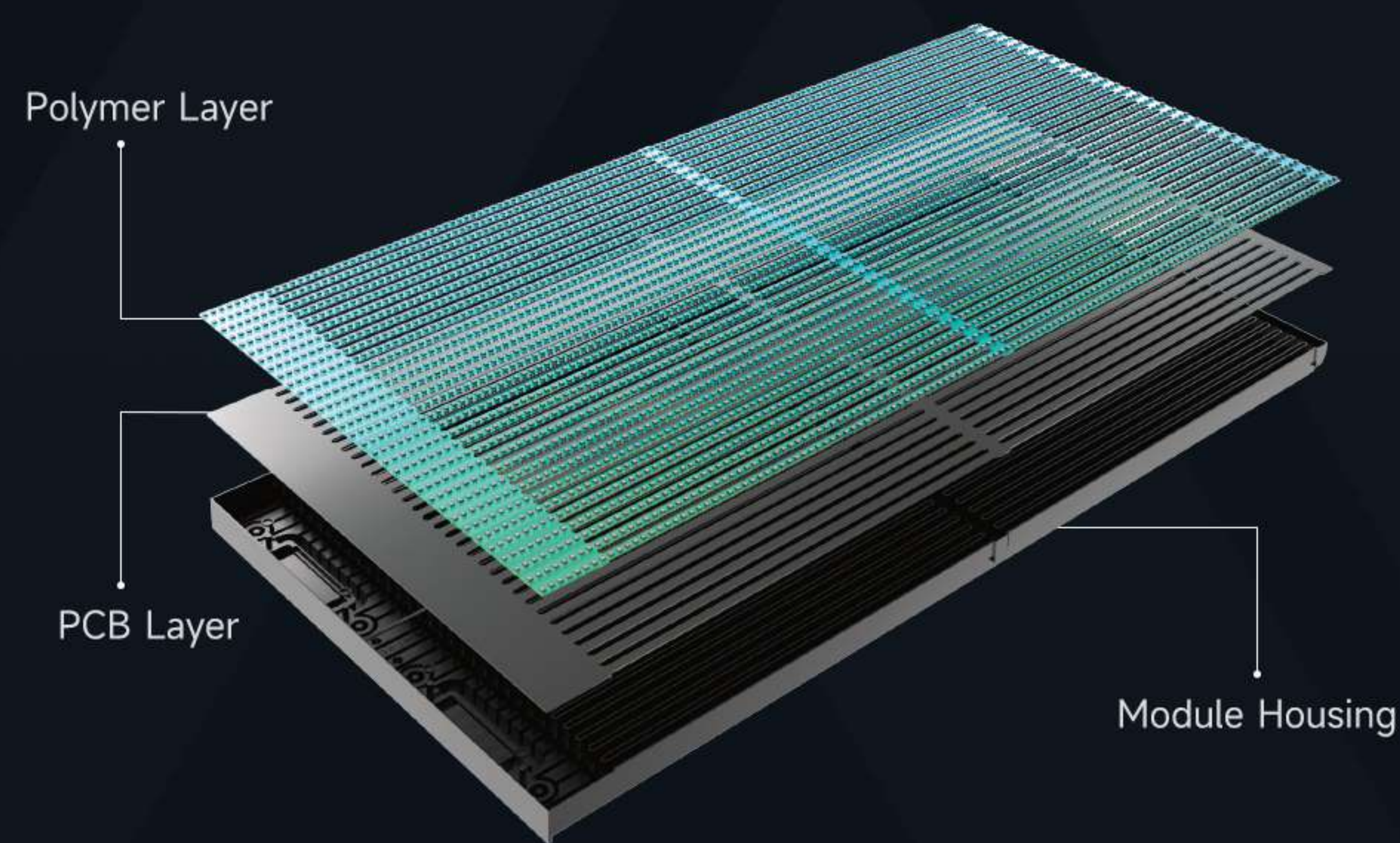**Cabinet Size (mm)** : 500×500 / 1,000×500

Versatile Pixel Pitch & Sizes

Choose from pixel pitches of 3.9-7.8mm, 5.2-10.4mm, 10.4-10.4mm, or 15.6-15.6mm. The modules measure 500×250mm, and cabinets come in 1,000×500mm or 1,000×1,000mm sizes — perfectly adaptable for any rental setup or event.

500mm

1,000mm   500mm

Lightweight Die-Casting Aluminum Cabinet

The 500×500mm cabinet weighs just 6kg, and the 1,000×500mm cabinet is only 8.5kg. Crafted from die-cast aluminum, it offers feather-light weight without sacrificing strength.
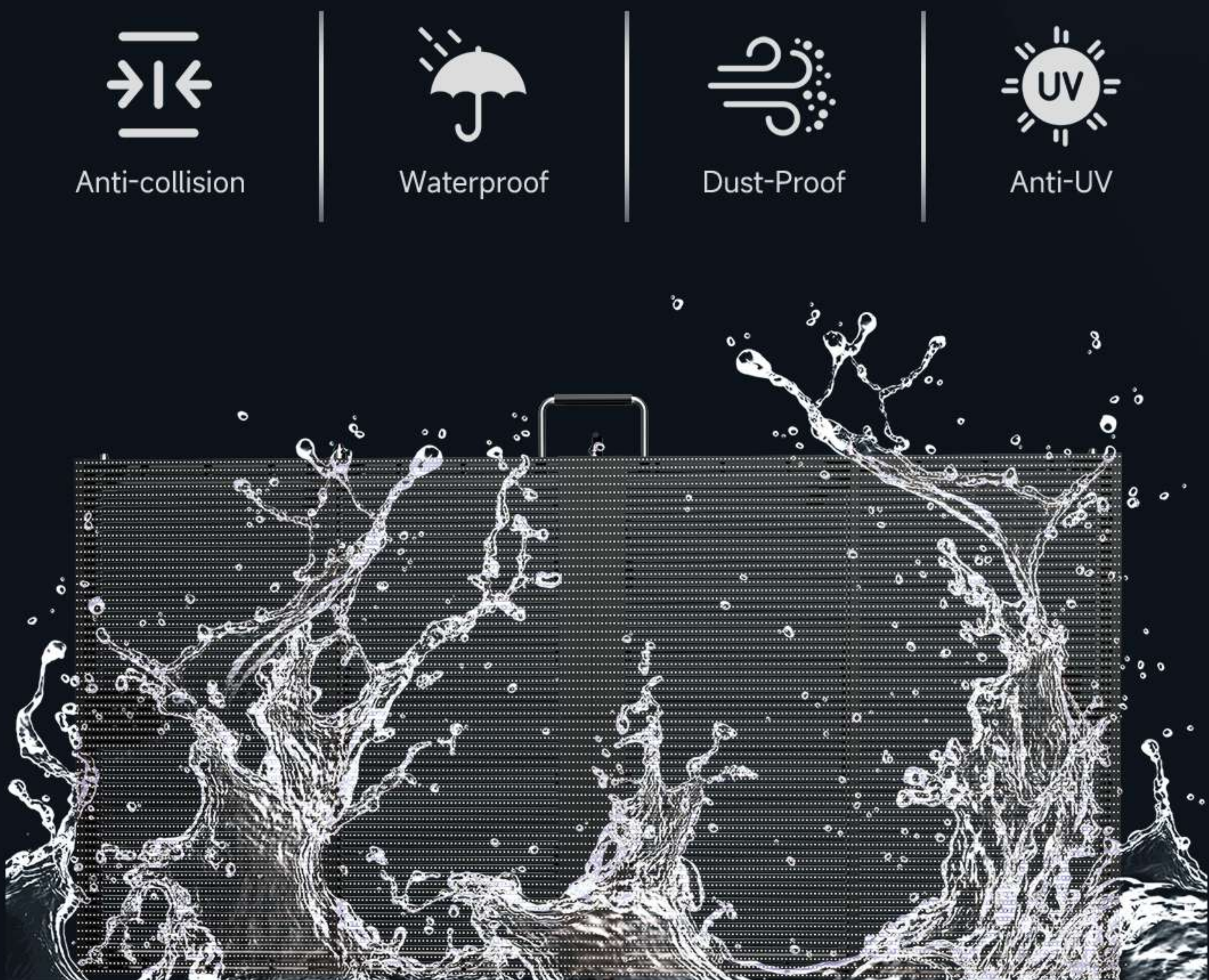
Extremely Lightweight Panel

Modular Design

Featuring a modular structure, the cabinet ensures ergonomic efficiency and industrial durability — making installation and transport smooth and reliable.

Polymer Layer

PCB Layer

Module Housing

High Performance Display

Transparency rates range from 55% to 75%, with a high brightness of 4,500 nits and a 6,000:1 contrast ratio. It supports a 3,840Hz refresh rate and 14-bit grayscale for superior visual quality.

High Transparency

4,500nits Brightness

3,840Hz Refresh Rate

14 bit Grayscale

6,000 : 1 Contrast Ratio

IP65 Waterproof

With IP65 protection, the screen handles rain, dust, and bumps effortlessly. Edge guards prevent LED damage, ensuring reliable performance indoors and outdoors.

Anti-collision   Waterproof   Dust-Proof   Anti-UV

Easy Assembly & Disassembly

All fastening locks use a quick-release structure combining durability with operational efficiency, making installation, removal, and onsite maintenance fast and easy for rental events.

Mate lock connection   Side locks   Main lock connection

Front and Rear Access Maintenance

Modular power supplies and cabinets support both front and rear access for maintenance, keeping display areas clean and unobstructed during events.

Flexible Curved & Right-Angle Options

Enhance your display with an optional curved lock for ±15° bending in 2.5° increments, and a right-angle configuration using 500×500mm cabinets that integrate with 1000×500mm units — ideal for creating hybrid curved and angular displays for indoor or outdoor events.

Application Scenarios

Perfect for concerts, exhibitions, award ceremonies, opening ceremonies, stadium screens, and other rental events requiring high transparency and visual impact.

Parameters

Items	STR3.9-7.8	STR5.2-10.4	STR10.4-10.4	STR15.6-15.6
Pixel Pitch	3.9-7.8mm	5.2-10.4mm	10.4-10.4mm	15.6-15.6mm
LED Lamp Bead Model	SMD1921	SMD1921	SMD2727	SMD2727
Pixel Composition	1R1G1B	1R1G1B	1R1G1B	1R1G1B
Module Size (W×H)	500×250mm	500×250mm	500×250mm	500×250mm
Module Resolution (W×H)	129×32	96×24	48×24	32×16
Pixel Density (pixels/m²)	32,768	18,432	9,216	4,096
Brightness (cd/m²)	4,500	4,500	4,500	4,500
Scan Mode	1/8	1/4	1/2	Static
Cabinet Size (W×H)	1,000×500mm / 500×500mm			
Cabinet Weight (kg/m²)	15			
Cabinet Material	Aluminum die-casting			
Refresh Rate	3,840Hz			
Viewing Angle (H/V)	140°/140°			
Grayscale	14 bit			
Contrast Ratio	6,000:1			
Transparency rate	55%	58%	60%	75%
Maintenance	Front & Rear			
IP Grade	IP65			
Signal Input	HDMI, DVI			
Input Voltage	AC100V–AC240V @ 50Hz/60Hz			
Maximum Power (W/m²)	800	800	800	800
Average Power (W/m²)	240	240	240	240
Operating Environment	-20 °C ~ 50 °C, 10% ~ 90% RH			
Working Time	24/7 operation; lifespan ≥100,000 hours			

* The specifications are for reference only. Actual parameters may vary depending on the specific model or contractual agreement.

MileStrong

Bring your ideas into reality

Shenzhen MileStrong Conventional Display Division

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