TR Series

LED Display

⟍ INTRODUCTION

A transparent LED screen is an advanced display technology that uses light-emitting diodes (LEDs) to produce an image on a semi-transparent surface. The LEDs are arranged in a grid pattern that can be controlled digitally, allowing for interactive visuals and dynamic content. In simpler words, a transparent LED is an upgraded version of standard LED display panels. The transparency of these displays allows them to blend into their surroundings while providing captivating visuals without blocking out natural light or views of the outside world. It makes them ideal for retail stores, office spaces, museums, airports, and other spaces where visibility is essential.

⟍ FEATURES

• The product box is light, strong and other characteristics, CNC precision machining, high precision, and seamless splicing can be realized.

• High screen transparency: the highest transparency rate can reach 55%.

• Ultra-thin cabinet: simple structure, less space occupied, light weight, quick assembly and disassembly.

• Energy saving and environmental protection: no air conditioning is required for heat dissipation, the module grid can be ventilated, the wind resistance is small, and it is safer.

• Easy-maintenance design: adopt quick-release modules, two ways of front maintenance and rear maintenance, reducing maintenance costs.

• It can be erected, hoisted, and the cabinet can be designed from multiple angles.

• Product protection:Between the LED PCB and the light board module, it is encapsulated with glue, which can effectively protect the lamp beads from falling due to accidental impact.

• Intelligent control: 3G/4G and WiFi networking, mobile phone can be controlled.

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⟍ FEATURES IN DETAIL

Ultra Light

- The LED grid offers an ultra-light design. It reduces the need for bulky support structures. Flexible installation protects the building's appearance without compromising visual performance.
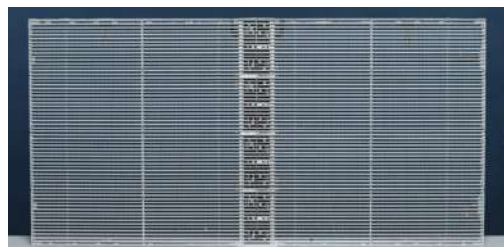

High Transparency

- Using the side-emitting display technology, the transparency can reach 55%.
- Did not effect lighting and sight.
- Still clearly visible under strong light.

Easy maintaining

- It can be repaired at a single point, a single module can be replaced front and rear maintenance, the maintenance cost is very low and fast

⟍ USAGE SCENARIO

Concert

Shopping Mall

Exhibition Hall

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SPECIFICATIONS

Product Name	Indoor P3.9	Indoor P3.9	Outdoor P3.9	Outdoor P7.81
Pixel Pitch	3.9×7.8 mm	3.9×7.8 mm	3.9×7.8 mm	7.81×7.81mm
pixel Composition	SMD 2121	SMD 1921	SMD 1921	SMD2727
Transmittance	>55%	>55%	>55%	>45%
Pixel Density(pixel/sqm)	32,768	32,768	32,768	8,192
Cabinet Size (length × width)	1000x 500mm 1000x1000mm	1000x 500mm 1000x1000mm	1000x 500mm 1000x1000mm	500x 1000mm
Screen Material	Profile box	Profile box	Profile box	Profile box
Drive Method	1/16 scanning	1/16 scanning	1/8 scanning	1 scanning
Color Processing Depth	12bit	12bit	12bit	14bit
Screen Weight	5 kg	5 kg	5 kg	15 kg
Horizontal Viewing Angle	140 °	140 °	140 °	120 °
Refresh Frequency	1920 Hz	1920 Hz	1920 Hz	3840 Hz
Brightness	800nit	2000nit	4500nit	6500nit
AC Input Frequency	50 ~ 60 Hz			
AC Input Power Maximum	800 W			700W
AC Input Power Average	250 W	250 W	300 W	230 W
Screen Installation Method	Hanging, standing, hoisting			
Maintenance Method	Rear maintenance			Front maintenance Rear maintenance

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