

# 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 and thin, strong and other characteristics, CNC precision machining, high precision, and seamless splicing can be realized.
- High screen transparency: the highest transparency rate can reach 90%.
- 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.
- 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.
- The module is packaged with OGB protective glue, which can meet the IP43 protection.

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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.



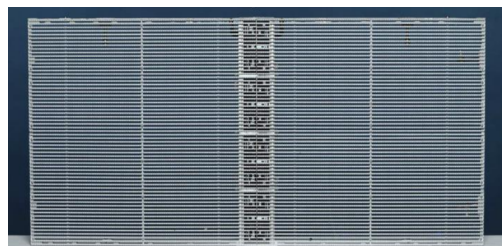
### High Transparent

- Using the side-emitting display technology, the transparency can reach 90%.
- Does not affect 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

## SPECIFICATIONS

Product Name	Indoor P3.9	Indoor P3.9	Outdoor P3.9	Outdoor P10
Pixel Pitch	3.9×7.8 mm	3.9×7.8 mm	3.9×7.8 mm	10.42×10.42mm
pixel Composition	SMD 2121	SMD 1921	SMD 1921	SMD3535
Transmittance	>55%	>55%	>55%	>40%
Pixel Density	32,256dots	32,256dots	32,256dots	9,216dots
Cabinet Size (length × width)	1000x 500mm 1000*1000mm	1000x 500mm 1000*1000mm	1000x 500mm 1000*1000mm	1000x 500mm 1000*1000mm
Screen Material	Profile box	Profile box	Profile box	Profile box
Drive Method	1/16 scanning	1/16 scanning	1/8 scanning	1/2 scanning
Color Processing Depth	12bit	12bit	12bit	12bit
Screen Weight	5 kg	5 kg	5 kg	10 kg
Horizontal Viewing Angle	140 °	140 °	140 °	110 °
Refresh Frequency	1920 Hz	1920 Hz	1920 Hz	1920 Hz
Brightness	800nit	2000nit	4500nit	5000nit
AC Input Frequency	50 ~ 60 Hz			
AC Input Power Maximum	800 W			750W
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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