



## Indoor full-color LED screen

### A1.45(A1.45T)



## Description

It has the characteristics of seamless splicing, perfect display, long service lifespan, fast frame changing speed, high refresh rate, good uniformity, wide viewing angle, high grayscale, natural color reproduction, etc. It is widely used in command and dispatch, security monitoring, video conference, studio display, and various conference display occasions.

## Feature

- \*One cabinet, one card, one power supply, can be directly mounted on the wall, embedded or floor-mounted.
- \*The hidden connection design between the display cabinet and the cabinet means that no signal cables or power cables can be seen on the back.
- \*The cabinet size adopts the best ratio of 16:9, providing excellent visual experience and meeting the needs of the mainstream market.
- \*The weight of the finished LED display unit cabinet is  $\leq 4\text{kg}$ ; the thickness of the finished LED display unit cabinet is  $\leq 31.5\text{mm}$ .
- \*It adopts a non-contact magnetic levitation front maintenance design, which can install and remove modules, receiving cards and power supplies from the front, making maintenance easy.
- \*The cabinet adopts front-and-rear installation, which can fit the wall at close range, effectively saving space and achieving perfect fit with the surrounding environment.
- \*The switching power supply has PFC function to prevent flashing and black screens caused by unstable power grid, and has overcurrent, short circuit, overvoltage and undervoltage protection functions.
- \*The bottom of the cabinet is designed with locating pin bosses to prevent lights from falling out due to collision between the module and the ground or platform during construction, transfer or display.
- \*Adopt industrial-grade precision floating connector is used between the LED display unit module and the unit cabinet. It has three-way adjustment and correction capabilities in X, Y, and Z. The entire screen seams can be finely adjusted on a module basis to avoid light and dark line effects caused by seams between modules; there are no signal cables or low-voltage power lines inside the box, making it clean and tidy, and the connection is more stable.



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### Specification

<b>Module parameters</b>	
LED encapsulation	SMD1010 black light
Pixel pitch	1.45mm
Resolution	472020 pixels/m <sup>2</sup>
Lamp beads/IC	Nation Star Copper Wire/High Refresh Rate
Pixel configuration	1R1G1B
Module resolution	320*180
Module size (mm)	300*168.75
Cabinet resolution	640*360
Cabinet dimension(mm)	600*337.5*31.5
Cabinet weight	≤4Kg/piece
Working voltage	DC+4.2V
<b>Main parameters</b>	
Best viewing distance	≥4.5m
Horizontal viewing angle	≥175°
Vertical viewing angle	≥175°
Maintenance method	Front maintenance
Control mode	Synchronous control
Drive device	Constant current drive
Refresh rate	≥4200Hz
Frame rate	≥60Hz
Scanning method	58S
Brightness	200-800CD/m <sup>2</sup>
Grayscale	12/14/16/18/22/24bit
Contrast	≥10000:1
Attenuation rate (after working for 3 years)	≤15%
Brightness adjustment method	Auto/manual: 0-100%
MTBF	≥20000H
Lifespan	≥100000H
Failed rate	≤1/100000 and no continuous failed pixels
Storage temperature	-35°C~+85°C
Working temperature	-20°C~+60°C
Working voltage (AC)	220V±10%/50Hz/60Hz
Average power consumption	≤125W/m <sup>2</sup> at 800CD/m <sup>2</sup> (≤95W/m <sup>2</sup> at 600CD/m <sup>2</sup> )
Maximum power consumption	≤500W/m <sup>2</sup> at 800CD/m <sup>2</sup> (≤380W/m <sup>2</sup> at 600CD/m <sup>2</sup> )
Cabinet material	Die-cast aluminum cabinet
Brightness uniformity	≥99%
Protection class	IP5X