



Indoor Full Color LED Video Wall

C2.5 (C2.5-4:3)



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

- * With one cabinet, one card and one power supply. Support wall-mounted installation, embedded installation, and floor-standing installation.
- * Adopt hidden wiring design between the cabinets of the display. No signal cables or power cables can be seen on the back.
- * The 4:3 ratio cabinet provides an excellent visual experience, meeting the needs of the mainstream market.
- * The weight of the finished LED display unit cabinet is $\leq 5.7\text{kg}$; the thickness of the finished LED display unit cabinet is $\leq 31.5\text{mm}$.
- * Adopt non-contact magnetic levitation design for front maintenance, which can install and remove modules, receiving cards, and power supplies from the front, making maintenance convenient.
- * 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 LED display module adopts a bottomless design. The die-cast aluminum cabinet is in direct contact with the module PCB to improve thermal conductivity and extend service life.
- * 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 lamp beads from falling out due to collision of the module during construction, transportation, or display.



Specification

Module parameters	
LED encapsulation	SMD2121 black light
Pixel pitch	2.5mm
Resolution	160000 pixels/m ²
Lamp beads/IC	Domestic high-quality copper wire/high refresh rate
Pixel configuration	1R1G1B
Module resolution	128*64
Module size (mm)	320*160
Cabinet resolution	256*192
Cabinet size (mm)	640*480*31.5
Cabinet weight	≤5.7Kg/piece
Working voltage	DC+4.2V~+5V
Main parameters	
Best viewing distance	≥7.5m
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	32S
Brightness	200-800CD/m ²
Grayscale	12/14/16/18bit
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 ² at 800CD/m ² (≤95W/m ² at 600CD/m ²)
Maximum power consumption	≤500W/m ² at 800CD/m ² (≤380W/m ² at 600CD/m ²)
Cabinet material	Die-cast aluminum cabinet
Brightness uniformity	≥99%
Protection class	IP5X