



# Indoor Full Color LED Video Wall

## F2.976(F2.976-Z)



## Description

The rental LED video wall business is one of the service industries that has developed vigorously in recent years. The LED video wall is widely used in the stage or background of important events such as TV studios, large-scale performances, opening ceremonies of important events, sports competitions, and corporate celebrations. The texts, pictures, and videos played on the LED video wall together create a colorful atmosphere, which greatly improves the level of the activity.

## Features

- \*Adopt front/rear maintenance for magnetic module and rear maintenance for power supply, control box, and accessories, which makes installation and disassembly convenient and quick.
- \*Adopt quick-connect aviation plug to quickly and safely connect and disconnect the power cord and network cable, which is convenient for the power supply and signal transmission of the module.
- \*The bottom protrusion design of the cabinet can protect the display screen when the cabinet touches the ground.
- \*Manual corner guards for four corners of the cabinet prevent damage to the display screen during packaging or transportation.
- \*Adopt industrial-grade hard connection design between the unit module and unit cabinet of LED display, eliminating signal wiring inside the cabinet, keeping it clean and organized, ensuring stable connections, and faster installation and maintenance.
- \*Adopt a three-axis (X, Y, Z) adjustment mechanism, allowing for six-directional arbitrary adjustment of the screen.
- \*One cabinet with one card and one power supply, allowing for free splicing and supporting hanging, stacking, fixed installation, and bracket installation.

## Specification

<b>Module specification</b>	
<b>LED encapsulation</b>	SMD2020 black light
<b>Pixel pitch</b>	2.976mm
<b>Resolution</b>	112896 pixels/m <sup>2</sup>
<b>Lamp bead/IC</b>	Domestic high-quality copper wire/High Refresh rate
<b>Pixel composition</b>	1R1G1B
<b>Module resolution</b>	84*84
<b>Module dimension(mm)</b>	250*250
<b>Cabinet resolution</b>	168*336
<b>Cabinet dimension (mm)</b>	500*1000
<b>Cabinet weight</b>	≤14Kg/piece
<b>Operating voltage</b>	DC+4.2V~+5V
<b>Hard connection fully supports hot swap, which is convenient and fast</b>	
<b>Main specification</b>	
<b>Best viewing distance</b>	≥9m
<b>Horizontal viewing angle</b>	≥175°
<b>Vertical viewing angle</b>	≥175°
<b>Maintenance method</b>	Front/rear maintenance for module, rear maintenance for power supply, control box, and accessories
<b>Control mode</b>	Synchronous control
<b>Drive device</b>	Constant current
<b>Refresh rate</b>	≥4200Hz



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Frame rate	≥60Hz
Scanning method	28S
Brightness	200-800CD/m <sup>2</sup>
Grayscale	12/14/16/18bit
Contrast	≥10000:1
Attenuation rate (after 3-year work)	≤15%
Brightness adjustment method	0-100% adjustment through supporting software; support automatic/manual, support setting brightness timing adjustment
Computer operating system	WIN7 and above
MTBF	≥20000H
Lifespan	≥20000H
Failed rate	≤1/100000 and no continuous failed pixels
Storage temperature	-35°C~+85°C
Operating temperature	-20°C~+60°C
Operating voltage(AC)	90V-270V(50Hz/60Hz)
Average power consumption	≤140W/m <sup>2</sup>
Maximum power consumption	≤560W/m <sup>2</sup>
Cabinet specification	Die-casting aluminum cabinet
Brightness uniformity	≥99%
IP level	IP5X