



F2 series

Product specification

F2-100 Ultra-thin Stadium LED Screen

让显示技术创意美好生活

Display Technology Creates A Better Life



F2-100

Ultra-thin stadiums
LED Screen



Modular



High refresh



Back
and Front



Good heat
dissipation



Single
operation



Double
backup

Product overview

The F2-100 product is a high-protection smart stadium screen product designed by Dicolor for stadium screen applications. It adopts advanced SMD technology. Its excellent color display, high contrast and refresh rate, and larger viewing angles have become the stadium screen application. The new benchmark is mainly applicable to stadiums such as football fields, basketball courts, rugby fields, and swimming pools.

Features

- Fast: The module adopts die-cast aluminum bottom shell front maintenance design, which can achieve good heat dissipation and front and rear maintenance;
- Lightweight to simple: Designed with aluminum profile structure, the weight and thickness are lighter and thinner, which is more convenient to handle and reduce transportation costs;
- Emergency door design: in strict accordance with UEFA standards, emergency channel design;
- Pneumatic rod design: the cabinet support adopts the pneumatic rod design, which can effectively buffer the impact force of the players' high-speed movement and protect the players from injury;
- Double backup: modular design of the control box; dual power supply and dual receiving card backup design to ensure the normal use of the display;
- Special aviation vehicle: The special aviation vehicle design is convenient for transportation and handling, and greatly improves the efficiency of handling.

Technical Parameters

Parameter Name	Parameter	F2-100
Module Parameters	Pixels	SMD2727
	Pixel pitch (mm)	10
	Module size (mm)	320x320
	Module resolution (W×H)	32*32
Cabinet Parameters	Unit composition (W×H)	4*3
	Cabinet size (mm)	1280x960x100
	Cabinet resolution (W×H)	128*96
	Cabinet acreage (m ²)	1.2288
	Pixel density (Dots/m ²)	10000
	Cabinet material	Profile aluminum
	Cabinet weight (kg)	46
	Tolerance	≤0.1mm
Optical Parameters	Brightness	6000cd/m ²
	Color temperature (K)	2000~12000 adjustable
	Viewing Angle (H/V)	140°/140°
	Pixel distance deviation	<3%
	Brightness uniformity	≥98%
	Color uniformity	≤±0.0035 Cx,Cy
	Contrast ratio	5000:1
Electric Parameter	Max power	≤719W/m ²
	Average power	≤240W/m ²
	Voltage	AC100~240V (50~60Hz)
Processing Parameter	Drive mode	Steady current
	Scan	1/2S
	Frequency	50/60Hz
	Refresh rate	≥3840Hz
	Gray scale	14bit
Application Parameter	Operating temperature	-20°C~+50°C
	Operating humidity	10%~90%RH
	Service life	≥100,000Hrs
	Maintenance way	Front/Back
	Level of protection	IP65/IP54
	Certification	CE/ETL/FCC