

FA27 Series Specification

Model Name: FM2709

Version: V1.0

Product Specification



Product Features

- ◆ Adopts high-protection-grade MIP integrated packaging process;
- ◆ Features high contrast ratio, wide viewing angle and outstanding display performance;
- ◆ Delivers uniform overall-panel luminescence with soft light output, and can effectively eliminate moiré patterns;
- ◆ Equipped with PWM constant-current driving chips, enabling lower overall power consumption, no loss of color and detail in low-brightness and low-gray-scale scenes, and excellent image quality performance;
- ◆ Boasts excellent refresh rate performance, with a maximum refresh rate reaching 7680 Hz;
- ◆ Adopts common-cathode driving scheme matched with dynamic energy-saving driving, realizing high energy-saving efficiency;
- ◆ Integrated with the all-new Hyper-bit enhancement technology, which additionally improves the presentation of 6-bit grayscale.
- ◆ High-precision CNC processed and die-cast magnesium-aluminum integrated box body is used, reducing the weight by approximately 15% compared to the previous generation, with a slim design that combines both texture and practicality.

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- ◆ Body thickness is 31mm, paired with a 6mm snap-type edge, achieving an extreme screen ratio, being both beautiful and highly protective.
- ◆ The all-forward maintenance design supports hot swapping, enabling ultra-fast maintenance and reducing operation and maintenance costs.
- ◆ The cabinet features a quick-lock connection design, significantly improving the efficiency of system installation and deployment.
- ◆ The hard connection structure replaces FFC wiring, with neat wiring throughout the machine, effectively reducing the risk of line faults.
- ◆ The full-series high-integration three-in-one circuit board simplifies wiring and significantly improves the overall machine's operational stability.
- ◆ The 16:9 standard aspect ratio design is compatible with resolutions from 2K to 16K, presenting realistic and high-definition picture quality.
- ◆ The box body can be spliced at any 4K level for arbitrary assembly, creating an integrated LED multi-function display terminal that is flexible and suitable for various scenarios and applications.
- ◆ The ultra-wide viewing angle, high refresh rate, and high contrast ratio provide clear and transparent display effects in all scenarios.
- ◆ No fan cooling + intelligent black screen energy-saving design, highly energy-efficient, achieving the ultimate cold screen.
- ◆ CE/CB/ETL/FCC certifications are obtained, in line with RoHS environmental standards, meeting EMC A-level standards, with low radiation and greater safety.

Product Parameter	
Physical Parameter	
Pixel Composition	MIP0606
Pixel Pitch (mm)	0.9375
Module Resolution (dots)	320*180
Cabinet Resolution (dots)	640*360
Pixel Density (dots / m ²)	1137778
Module Size (L*W) / (mm)	300*168.75
Cabinet Size (L*W*H) / (mm)	600*337*5*31
Cabinet Material	Die-cast magnesium-aluminum
Cabinet Module Arrangement (W*H)	2*2
Cabinet Weight (Single Cabinet/ kg)	3.4±0.1
Optical Parameter	
Color Processing Depth (Bit)	16bit+6bit
Contrast	15000: 1
Refresh Rate Frequency (Hz)	7680
Drive Mode	1/45
White Balance Brightness (nit)	1000
Color temperature (K)	9300
Viewing Angle (H/V °)	170/170
Electrical Parameter	
AC Input Voltage (V)	AC100~240
AC Input Frequency (Hz)	60
Cabinet Maximum Power Consumption (W/Unit)	47
Cabinet Average Power Consumption (W/Unit)	16
Maximum Power Consumption (W/m ²)	232
Average Power Consumption (W/m ²)	77
Operation Environment Parameter	

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Storage Temperature (°C)	-20 - 60
Working Temperature (°C)	-10 - 40
Storage Humidity (RH)	10%~85% No Condensation
Working Humidity (RH)	10%~80% No Condensation
LEDs Life Time (hrs.)	100000
Maintenance Mode	Fully Front Access

Note:

1. The content of this specification may be adjusted and revised in real time without prior notice to provide as accurate specification parameters as possible
2. This product is an indoor product. It is strictly prohibited to use it in direct sunlight
3. In order to ensure long-term and more uniform display effect, do not play fixed images for a long time
4. For enhanced safety, it is advisable to switch off the LED display using either the designated button or the remote control before a power outage occurs.

Product Structure Dimensions

