



Product Specification

Product Series: M³View Series

Important Notice:

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Change history

Version number	Revised Content Description	Date of revision	Revision Personnel	Approval Personnel
V1.0	The first edition was formulated	2026.5.8		

1.0 Scope of application

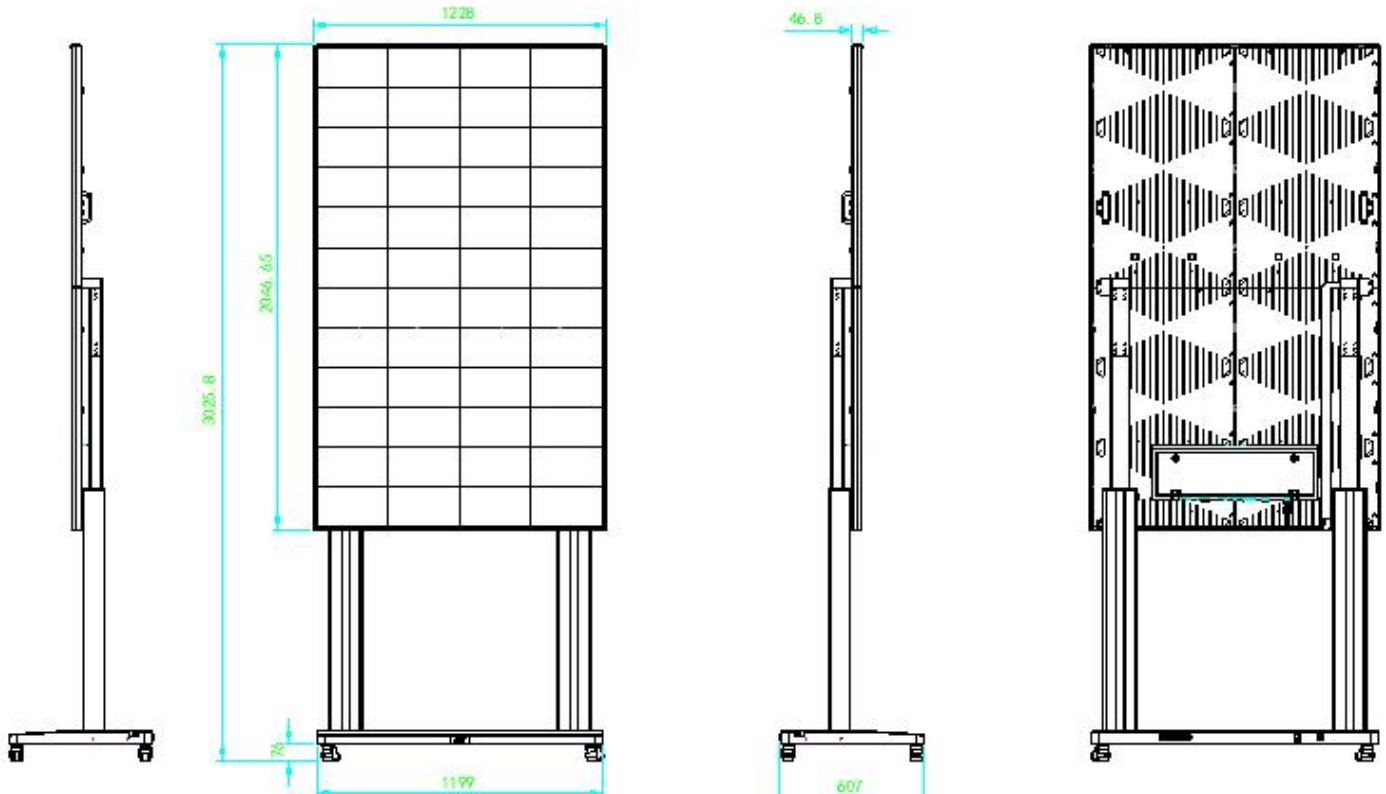
This specification is suitable for the M³View Series product. The follow-up mentioned "product" without special instructions is M³View Series; if there are special requirements, they can be customized accordingly according to the actual situation.

2.0 Product description

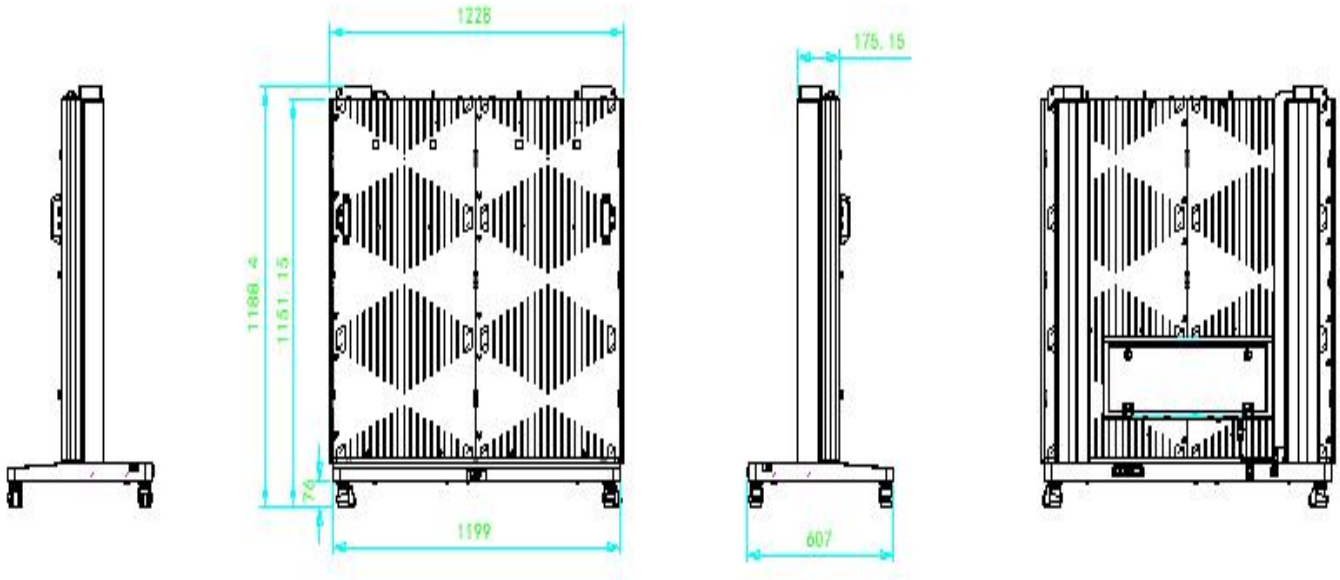
2.1 Product introduction

The M³View Series product is an IoT intelligent LED modular display solution that integrates globally leading fine-pitch LED technology with an intelligent Android system. It features high-definition image quality, high brightness, and a high refresh rate. The series also supports mobility, single-unit lifting, synchronized multi-unit lifting, and multi-screen splicing, offering versatile application possibilities.

2.3 Product size structure drawing



Unfolded View

**Folded View****Note:**

1. The design and specifications will be upgraded and updated from time to time and will be subject to change without notice.
2. The dimension values (mm) shown in the chart are approximate.

3.0 Technical parameters

Model	M121V5S-93	M151V5S-93	M181V5S-93
Pixel Pitch (mm)	1.25	1.5625	1.875
Pixel Configuration	SMD1010	SMD1212	SMD1515
Viewing Area (mm)	1200mm*2025mm		
IP Rate (dots)	960*1620	768*1296	640*1080
Weight (Kg)	127		
Protection Grade (front/back)	IP30/IP30		
Brightness (nit)	≥600		
Grayscale (Bit)	13~14		
Color Temperature (K)	Standard 8000, 3200~12000 adjustable		
Viewing Angle (H/V)	160°/160°		
Contrast Ratio	6000:1		
Avg. power consumption (W)	410W	340W	260W
Max. power consumption (W)	1200W	1000W	750W
Cabinet power requirement (VAC)	100-240Vac 50/60Hz		
Refresh Rate (Hz)	3840		
Maintenance Method	Front Maintenance		
Lifespan(hrs)	100,000		

Note: The maximum power consumption may vary by ±10% due to different LED chip batches. Product specifications and parameters are subject to change without prior notice.

4.0 Precautions for product use

Item	Parameter
Operating ambient temperature	Ambient temperature: 0 °C~4 °C; Other temperature ranges require the addition of temperature control equipment. The temperature of the lamp surface is $\leq 60^{\circ}\text{C}$ during the working process, and the temperature exceeds the standard and the temperature control equipment needs to be added.
Storage ambient temperature	Ambient temperature: $-10^{\circ}\text{C}\sim 5^{\circ}\text{C}$; Additional temperature control equipment is required for other temperature ranges to ensure that the temperature remains within the allowable range.
Operating ambient humidity	Ambient humidity: 10 ~ 65%RH, humidity exceeding the standard needs to be dehumidified in the use of the environment before normal use.
Storage ambient humidity	Ambient humidity: 10~65% RH; humidity more than 65% RH needs to be dehumidified.
Overdue storage treatment	If the product has been stored unopened for over one month or powered off for more than 48 hours after unpacking, it must undergo a 6-hour burn-in before normal use. The burn-in procedure is as follows, with brightness gradually increasing: Full white at 10% brightness for 1 hour, Full white at 30% brightness for 1 hour, Full white at 60% brightness for 2 hours, Full white at 80% brightness for 1 hour, Full white at 100% brightness for 1 hour.
Dustproof	IP3X dustproof rating on the back. The product is not recommended for use in high-dust environments, such as sandy outdoor areas or indoor workshops with excessive dust. Additional protective measures for the display cabinet are required in such conditions.
Corrosive gas resistant	The cabinet should not be exposed to an environment where the air contains salt or acid fumes, as this can cause corrosion of electronic components, crystalline leakage, and other issues.
Protection against electromagnetic radiation	The module should not be placed in an environment where electromagnetic radiation and radio frequency radiation exceed the intensity of the electric field by 5V/m interference sources.
Anti-static	Prevent the damage of electrostatics to electronic devices in humid environments and avoid the damage of leakage to the human body.

Shockproof	The display should be installed on a robust and reliable installation structure without strong vibration.
Stay away from water sources	The cabinet is not treated with waterproofing, and the water conductivity can short-circuit the circuit, resulting in damage to the circuit devices, so it is necessary to stay away from the water source.
Personal injury	The angle and height of the module installation should be suitable, and the sharp corners should be packaged to prevent damage of the strong outer shell to the human body.
Security requirements	It is necessary to ensure the stability of the power supply system, maintain the normal level of frequency, voltage, current harmonics, when a plurality of LED display cabinet are spliced, the metal shell should be grounded together with the metal frame installed in the LED display, and the grounding resistance of the overall system of the display should not be greater than 1Ω, and the leakage current should not exceed 5% of the input current. The electrical strength should meet the provisions of SJ/T 1114 1-2017 General Specification 5.7.5 for light-emitting diode (LED) displays.
other	If the product is an indoor installation product, it should be confirmed that the structure of the product is stable.

FCC Warning:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.