

Product Specification Sheet

Product Series: LED Poster

Product Model: LC*PD/G**

Document Revision History

No	Revision No.	Change Status	Description of Changes (+/-)	Approved By	Date
1	V1.0	C	Creation	Joyce Dong	2025.10.30
2	V1.0	M	Modification	Gloria	2026.06.08
3	V1.0	M	Modification	Lynn	2026.06.09

*Note on Change Status: C——Creation, A——Addition, M——Modification, D——Deletion

Disclaimer: This document outlines the technical parameters for the standard model within this series.
The actual product specifications may vary based on the configuration specified in the sales contract.
The images provided are for illustrative purposes only, the actual product may differ.

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Contents

1. Scope of Application..... 1

2. Naming Rules..... 1

3. Product Introduction..... 1

4. Product Parameters.....6

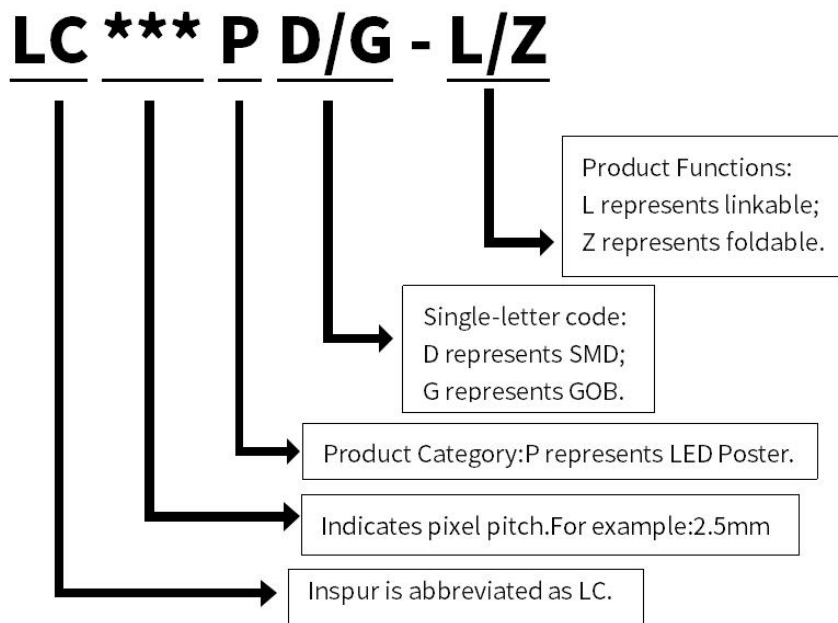
5. Precautions..... 8

1. Scope of Application

This technical manual applies exclusively to the following models of the LAC Vision Advertising

Display series: LC012PD、LC015PD、LC018PD、LC020PD、LC025PD、LC030PD、LC012PG、LC015PG、LC018PG、LC020PG、LC025PG、LC030PG. The specifications provided below correspond to standard product configurations. Customization is available for specific requirements.

2. Naming Rules



Example: LC012PD is an LAC Vision LED Poster, an SMD series product with a pixel pitch of 1.2mm.

3. Product Introduction

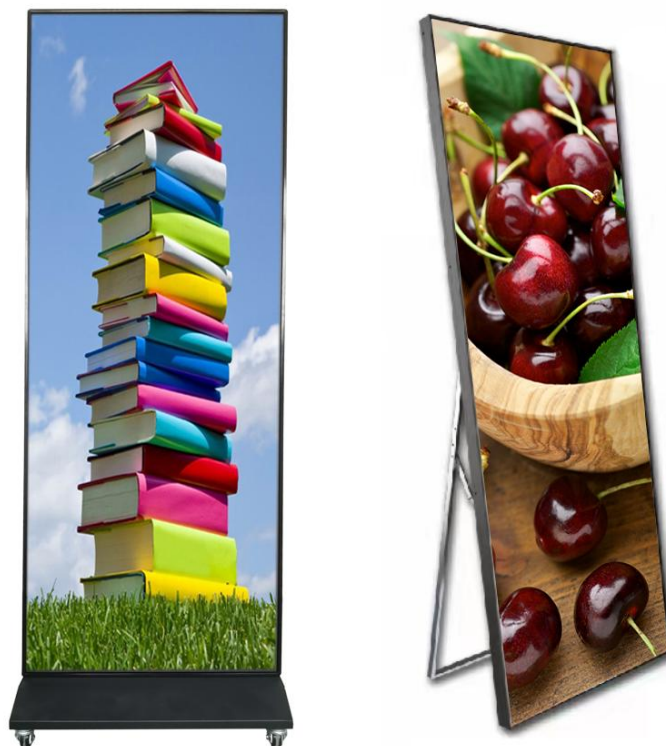
LAC Vision LED Poster is an LED display product specifically designed for indoor advertising. With its wide viewing angle, high refresh rate, and excellent color performance, it delivers clear and smooth visuals in various application scenarios. To meet different usage needs, the series is mainly divided into two categories: the D Series and the G Series.

The D Series is formed by a combination of a sheet metal cabinet and an aluminum frame, adopting a

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standardized cabinet design compatible with multiple pixel pitches. It supports mobility and inclined brace fixation, offering flexible adaptation to various commercial spaces.

The G Series is formed by a combination of a die-cast cabinet and a foldable frame, featuring an ultra-thin profile. The cabinets allow for seamless splicing and support screen folding, facilitating easy transport and rapid deployment. This makes it particularly suitable for scenarios requiring frequent mobility and temporary displays.



LAC Vision LED Poster D-Series

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LAC Vision LED Poster G-Series

3.1 Product Features

1. LAC Vision LED Poster D-Series

- The product can be designed for front and rear installation.
- The cabinet has a lightweight and ultra-thin design, with a 47mm thick frame and a weight of 38.5kg, making installation and movement easy and quick.
- Multiple installation methods are available, including floor standing, wall mounting, and inclined bracing.
- The screen is plug-and-play and easy to operate.
- The aluminum frame is CNC machined for high precision.
- Metal conduction cooling enables fanless and silent operation.

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- Wide viewing angle, high refresh rate, high grayscale, and high contrast ratio.
- Supports standalone use, group linking, and creative splicing for various applications. Connectivity via USB/WiFi/HDMI/Ethernet. Quick content publishing and editing through mobile APP and PC software.
- One-to-many LAN centralized publishing and internet-based remote publishing.

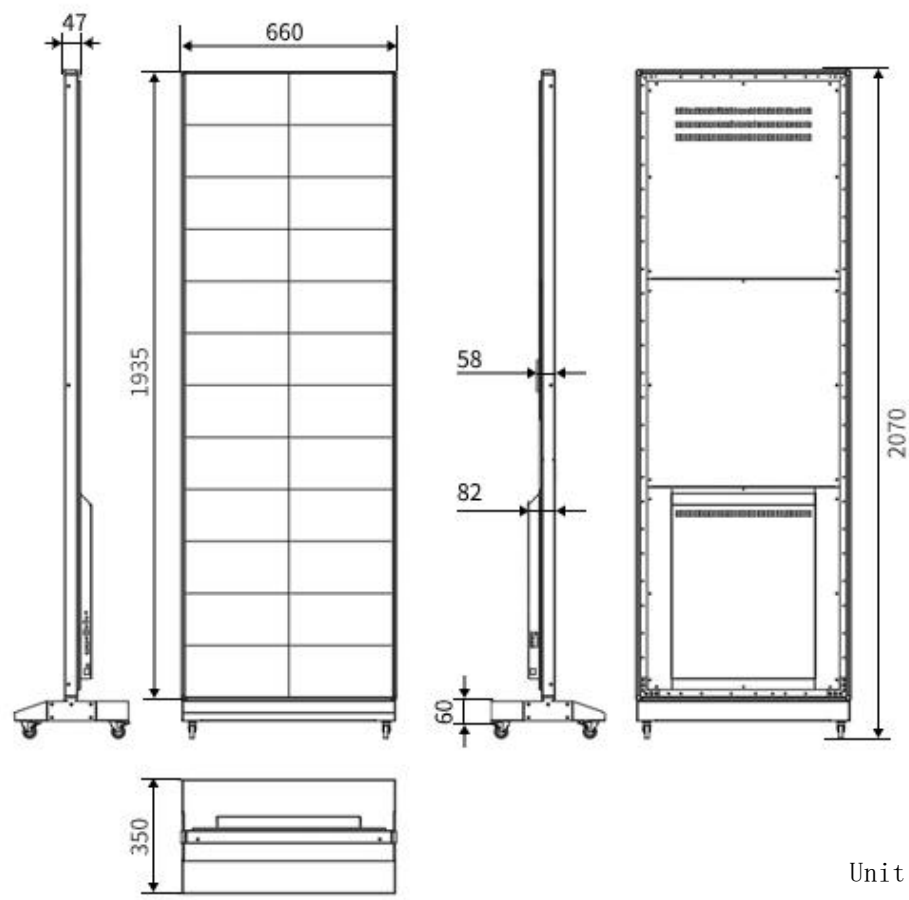
2. LAC Vision LED Poster G-Series:

- The product supports both front and rear installation design.
- Ultra-thin and lightweight cabinet design, with a 62mm frame thickness and weight of 40kg, enabling easy and quick installation and mobility.
- Foldable frame for convenient operation and seamless multi-unit splicing.
- Top and bottom folding capability for easy transportation.
- Multiple installation options including floor standing, wall mounting, and inclined support.
- Plug-and-play screen operation for user convenience.
- Metal conduction heat dissipation enables fanless silent operation.
- Wide viewing angle, high refresh rate, high grayscale, and high contrast ratio.
- Multiple application modes: standalone use, group linking, and creative splicing. Connectivity via USB/ WiFi / HDMI / Ethernet. Rapid content publishing and editing through mobile APP and PC software.
- One-to-many LAN centralized publishing and internet-based remote publishing.

3.2 Product Dimensions

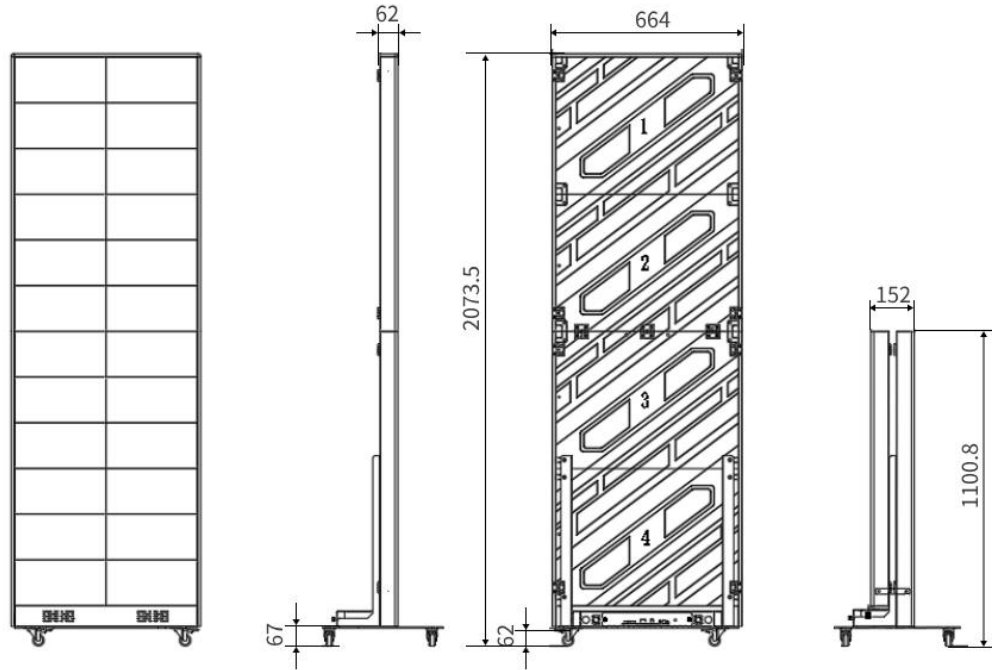
1. LAC Vision LED Poster D-Series

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2. LAC Vision LED Poster G-Series



Unit: mm

4. Product Parameters

LED Poster D-Series							
	Model	LC012PD	LC015PD	LC018PD	LC020PD	LC025PD	LC030PD
Physical	Pixel Configuration	SMD1010	SMD1212	SMD1515	SMD1515	SMD2121	SMD2121
	Pixel Pitch (mm)	1.2	1.5	1.8	2.0	2.5	3.076
	Module Resolution (dots)	256×128	208×104	172×86	160×80	128×64	107×72
	Screen Resolution (dots)	512×1536	416×1248	344×1032	320×960	256×768	214×864
	Pixel Density	786432	519168	355008	307200	196608	184896
	Module Size (W×H) (mm)	320×160					
	Screen Size (W×H×D) (mm)	640×1920×47					
	Screen Module Composition	2×12					
	Screen Weight (kg)	40					
	Module Weigh (kg)	/					
Optical	Color Processing	14					

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	Depth (bit)						
	Grayscale Level	16384					
	Refresh Rate (Hz)	≥3840					
	Drive Method	1/64	1/52	1/43	1/40	1/32	1/36
	White Balance Luminance (nit)	450 (Adjustable)	500 (Adjustable)	500 (Adjustable)	650 (Adjustable)	600 (Adjustable)	650 (Adjustable)
	Module Viewing Angle	Horizontal 160° / Vertical 160°					
Electrical	AC Input Voltage (V)	AC90~240					
	AC Input Frequency (Hz)	50/60					
	Maximum AC Input Power (W)	600					
	Average AC Input Power (W)	200					
Environmental	Storage Temperature (°C)	-10~50					
	Operating Temperature (°C)	-10~50					
	Storage Humidity (RH)	0%~85% (no condensation)					
	Operating Humidity (RH)	0%~85% (no condensation)					
	Protection Rating	IP40					

LED Poster G-Series							
	Model	LC012PG	LC015PG	LC018PG	LC020PG	LC025PG	LC030PG
Physical	Pixel Configuration	SMD1010	SMD1212	SMD1515	SMD1515	SMD2121	SMD2121
	Pixel Pitch (mm)	1.2	1.5	1.8	2.0	2.5	3.076
	Module Resolution (dots)	256×128	208×104	172×86	160×80	128×64	107×72
	Screen Resolution (dots)	512×1536	416×1248	344×1032	320×960	256×768	214×864
	Pixel Density	786432	519168	355008	307200	196608	184896
	Module Size (W×H) (mm)	320×160					
	Screen Size (W×H×D) (mm)	640×1920×62					
	Screen Module Composition	2×12					
	Screen Weight (kg)	50Kg					
	Module Weight (kg)	/					

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Optical	Color Processing Depth (bit)	14					
	Grayscale Level	16384					
	Refresh Rate (Hz)	≥3840Hz					
	Drive Method	1/64	1/52	1/43	1/40	1/32	1/36
	White Balance Luminance (nit)	450 (Adjustable)	500 (Adjustable)	500 (Adjustable)	650 (Adjustable)	600 (Adjustable)	650 (Adjustable)
	Module Viewing Angle	Horizontal 160° / Vertical 160°					
Electrical	AC Input Voltage (V)	AC90~240					
	AC Input Frequency (Hz)	50/60					
	Maximum AC Input Power (W)	600					
	Average AC Input Power (W)	200					
Environmental	Storage Temperature (°C)	-10~50					
	Operating Temperature (°C)	-10~50					
	Storage Humidity (RH)	0%~85% (no condensation)					
	Operating Humidity (RH)	0%~85% (no condensation)					
	Protection Rating	IP40					

5. Precautions

Item	Description
Transportation & Storage	1. Strictly adhere to the protective symbols and handling instructions on the outer packaging. 2. Exercise extreme caution to avoid bumps, drops, water, moisture, and improper orientation during transportation and handling. 3. Store in a dry, cool environment within the specified temperature and humidity range.
Fragility Notice	1. LED displays are precision instruments and are highly susceptible to damage from physical impact. 2. Never strike, press, or apply force to the lamp surface, modules, or cabinet framework.
Installation Warning:	1. Handle with care during installation to prevent irreparable damage to component solder pads and internal circuitry. 2. Any physical impact may compromise structural integrity and void the product warranty.

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	Electrostatic Discharge Protection Warning The LED modules are highly sensitive to electrostatic discharge (ESD). To prevent irreversible damage to the LEDs, avoid any physical contact with the modules or internal components, whether the device is powered Power Safety Warning Avoid turning on all load switches simultaneously, as this may cause peak voltage to become too high and power cables to become overloaded, leading to serious safety risks. Surface Protection Notice To maintain the display's integrity and prevent scratches or damage, ensure that no part of the screen surface comes into contact with abrasive or coarse materials during handling, cleaning, or operation.
Operational & Maintenance Guidelines	● Environmental Limits: Do not operate or store the display in environments beyond its specified temperature range. Exposure to extreme heat or cold may cause permanent damage. ● Regular Inspection: Regularly inspect the product for signs of wear, deformation, corrosion, or any other factors that may compromise its structural integrity, safety, or performance. Increase the inspection frequency for critical components. ● Damage Protocol: Immediately remove, repair, or replace any damaged components to maintain the product's load-bearing capacity and safe operation. ● Dedicated Control System: Use a dedicated computer for display control. Do not install unrelated software. Regularly scan all external storage devices (e.g., USB drives) for viruses. As the display operates in a video mirroring mode, avoid using the control computer for other tasks (e.g., watching videos) to ensure optimal playback performance. Only authorized personnel should handle or reconfigure display-related equipment. ● New Screen Activation: Storage < 3 months: Can be activated at normal brightness. Storage > 3 months: For initial activation, set brightness to 30% and run continuously for 2 hours. Power off for 30 minutes. Then, set brightness to 100% and run for another 2 hours to confirm normal operation before adjusting to desired brightness levels. ● Long-Term Storage Reactivation: For installed indoor displays that have been inactive for over 15 days, reduce the screen brightness

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	and perform a similar aging process as outlined for new screens before resuming normal full-brightness operation. Avoid directly playing high-brightness white content initially.
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Note:

The above parameters represent typical values for the product. Variations may occur across different production batches, and the actual parameters of the product shall be subject to the factory inspection report.

During the product manufacturing process, continuous optimization and iteration are carried out, and the product specifications may be adjusted at any time. Please consult with regional agents before making a purchase.

For customized products, a new specification sheet needs to be issued.

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