



User manual

Product Model: X121P5S-83UL

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1.0 Scope of application

This specification is applicable to the X121P5S-83UL series 600mm*2025mm indoor folding poster screen, and the "products" mentioned in the follow-up are all Fold poster screen products without special instructions, if there are special requirements, they can be customized accordingly according to the actual situation.

2.0 Product Description

2.1 Product Introduction

X121P5S-83UL series is an AIoT intelligent ecological LED commercial display poster screen integrating the world's leading LED small pitch technology and intelligent Android system, with high-definition display screen, high brightness, high refresh, foldable, double-sided display and other characteristics, widely used in airport stations, shopping malls, supermarkets, retail chains and other commercial display fields.

2.2 Features

- a) The color saturation is more than 110%, the picture quality is delicate, and the light is low and gray.
- b) Adopts Android 11.0 system with extremely strong expandability.
- c) Support USB, LAN APP, remote contro , support Ethernet and other Internet access methods.
- d) Supports synchronous and asynchronous dual-mode switching playback to meet more advertising and event application scenarios.

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- e) It supports intelligent cluster management and control, which can remotely and centrally manage audit and playback control, and is a powerful tool for precision marketing, so as to multiply the value of advertising
 - f) It supports single-channel stereo audio output, audio and video integration, and brings a better audience experience.
 - g) Support remote intelligent monitoring, remote and timing screen on/off.
 - h) Support one-click reset of configuration parameters and screen files.
 - i) It supports folding down, does not take up space, and is more convenient for transportation.
 - j) Support double-sided display, both sides can be seen.

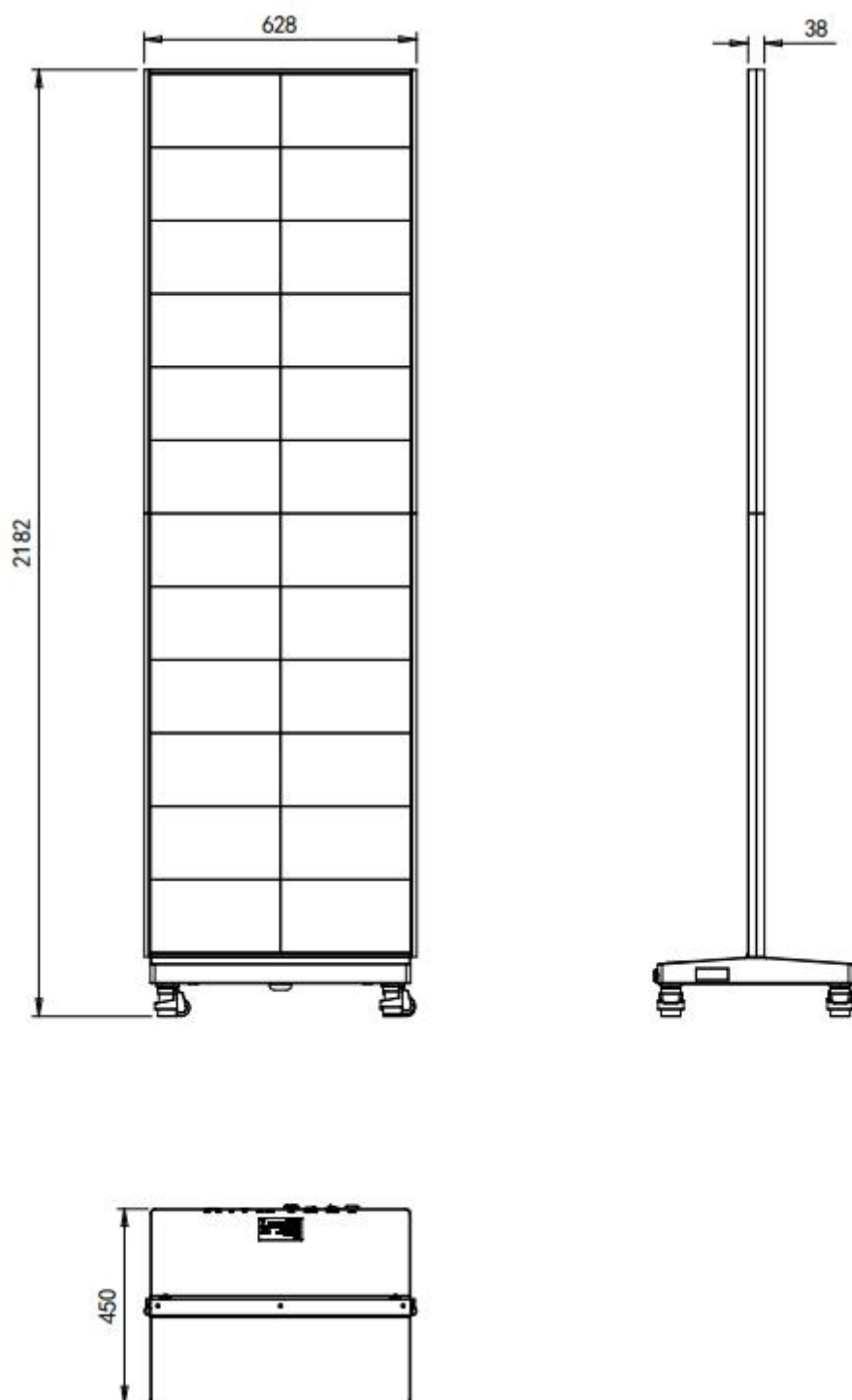
2.3 Product images



Seat mounting

2.4 Product size structure drawing

◆ Unfold the dimensions:



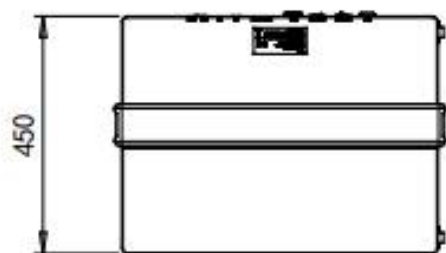
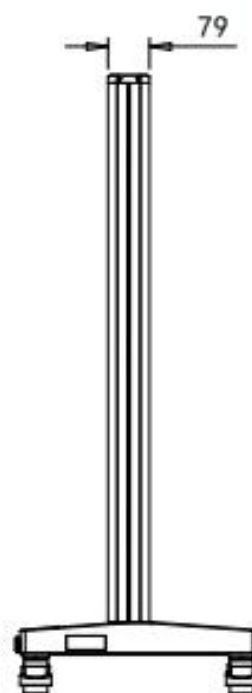
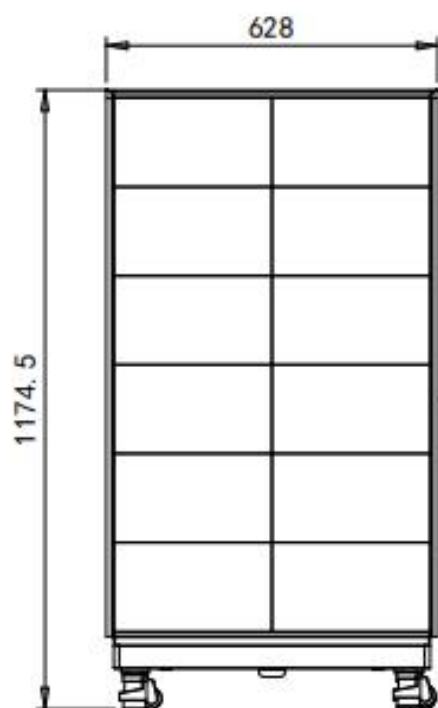
628*2182*450mm

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◆ Folded size:



628*1174.5*450mm

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.

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3.0 Technical parameters

3.1 Optical parameters

project	parameter
Grayscale (Bit)	14
White balance brightness (nit)	0~600
contrast	4000: 1
Color gamut	≥110% NTSC
Color coordinates	standard (0.2953, 0.3047) , adjustable
Temperature (K)	standard8000, 3200~12000adjustable
Horizontal/Vertical Viewing Angle	160°/140°
Chromaticity uniformity	≤0.005
Brightness uniformity	≥95%
Single-point brightness correction	support
Single-point chromaticity correction	support

3.2 System parameters

project	parameter
System version	Android 13.0
Running memory/storage memory	4G / 32G
Refresh rate (Hz).	3840
Drive mode	PWM constant current drive
Optional	2.4G WIFI module

3.3 Packaging parameters

project	parameter
Net weight of the screen (Kg)	30
Moving base weight (Kg)	10

Note: The above packaging parameters are the test parameters of the sample, and the parameters are for reference only because the specific batch configuration may be different.

3.4 Environmental requirements

project	parameter
Operating Temperature Range (°C)	0~40
Operating Humidity Range (RH)	10%~65% No condensation
Storage Temperature Range (°C)	-10~50
Storage Humidity Range (RH)	10%~65% No condensation
Waterproof and dustproof rating (front/rear)	IP30/IP30



4.0 Packaging solutions

Unless the customer specifies its packaging information, it is necessary to provide customers with standard shipping containers, and the specific transportation method will change slightly due to different regions, and the actual packaging method shall prevail. The packaging method and label information are as follows.

4.1 Packaging scheme for the whole machine



Flight case packing

5.0 Precautions for product use

project	parameter
Operating temperature range	Ambient temperature: 0°C~40°C; Other temperature ranges require additional temperature control equipment to ensure that the temperature is within the allowable range; The temperature of the lamp surface in the working process $\leq 60^{\circ}\text{C}$, and the temperature exceeds the standard, and the temperature control



	equipment needs to be added;
Storage temperature range	Ambient temperature: -10°C~50°C; Other temperature ranges require additional temperature control equipment to ensure that the temperature is within the allowable range.
Operating humidity range	Ambient humidity: 10~65%RH, humidity exceeds the standard and needs to be dehumidified before normal use.
Storage humidity range	Ambient humidity: 10~65% RH, humidity over 80% RH needs to be dehumidified.
Expired storage disposal	The product has not been stored for more than one month or the power has been cut off for more than 48 hours after unpacking, and it needs to be aged for 6 hours before it can be used normally. The aging method is: full brightness set 10% 1hrs, full brightness set 30% 1hrs, full brightness set 60% 2hrs, full brightness set 80% 1hrs, full brightness set 100% 1hrs (brightness gradually increased aging).
dustproof	IP3X dust resistance rating on the back. It should not be exposed to dusty environments, such as outdoor and indoor high-dust workshops with a lot of dust, and special protection is required for the display box.
Anti-corrosive gases	Cabinets should not be exposed to corrosive gases. In environments where the air contains salt or acid gases, corrosive gases can cause corrosion of electronic components, crystalline leakage, and other phenomena.
Protection against electromagnetic	The module should not be placed in an environment where electromagnetic radiation and radio frequency radiation exceed

radiation	the electric field strength of 5V/m interference sources.
Anti-static	Prevent the damage of static electricity to electronic devices in humid environment, and avoid the damage of leakage to the human body
shockproof	The display should be mounted on a sturdy and reliable mounting structure that is free from strong vibrations;
Keep away from water sources	The waterproof grade on the back is IPX0 and cannot be directly naked, and the water conductivity can short-circuit the circuit, resulting in damage to the circuit components, so it needs to be kept away from the water source;
personal injury	The angle and height of the module installation should be appropriate, and the sharp edges and corners should be packed to prevent the damage of the tough outer shell to the human body;
Safety requirements	It is necessary to ensure the stability of the power supply system, maintain the normal level of frequency, voltage and current harmonics, and when a plurality of LED display boxes are spliced, the metal shell should be grounded together with the metal frame installed on the LED display, and the grounding resistance of the overall system of the display screen should not be greater than 1Ω , and the leakage current to the ground shall not exceed 5% of the input current. The electrical strength shall meet the requirements of SJ/T 1114 1-2017 General Specification for Light-Emitting Diode (LED) Displays 5.7.5;
other	The product is an indoor standard product, and due to its process particularity, it should be avoided as much as possible to avoid damage to the equipment caused by human touch

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- The device has input connector and easily accessible that need to be disconnected at the same time to disconnect the power supply from the device.
 - Maintain product grounded.
 - The equipment is intended only use for in a restricted access area.

FCC Statement

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.

Caution: Changes or modifications not expressly approved by the party responsible for Compliance could void the user's authority to operate the equipment.

NOTE: 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 important announcement .

Radiation Exposure Statement

To comply with FCC RF exposure compliance requirements, this grant is applicable to only mobile configurations. The antennas used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.