



VEGAS

User Manual

2025

Dear customers,

We hope the LED Digital Poster provides you with long-term convenience. This poster features advanced digital integrated system processing technology, offering a range of functions and exceptional audio-visual quality. It is a next-generation LED commercial display solution, ideal for retail, conferences, offices, and more.

1. Please read the manual carefully before using this product and keep it for future reference.
 2. Follow all warning instructions in the product and operation manual.
 3. More information, please consult Pensar LED.
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Note

A: This manual only provides product installation, operation and maintenance instructions (Reference), excluding on-site maintenance services.

B: There may be technical differences or printing errors in the contents of this manual. Our company will regularly change and improve the contents of this manual. All contents shall be subject to the latest version.

C: Pensar LED reserves all copyrights of this manual. The copyright of this manual is protected by the copyright law of the United States of America. This manual shall not be used for commercial plagiarizing, copying, publishing and other purposes in any form. Without the written consent of Pensar LED, it shall not be recorded, transmitted or uploaded to the Internet search engine.

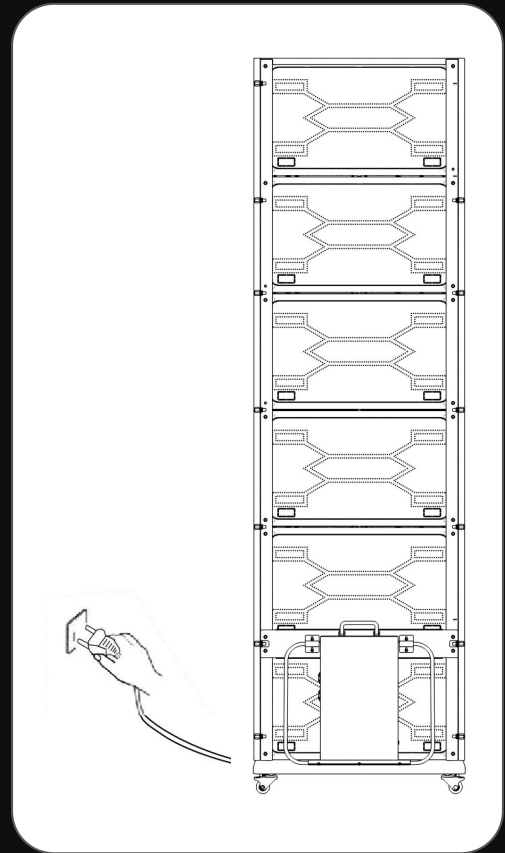


This product belongs to electronic and electrical equipment, which contains high-voltage circuit inside. Users are not allowed to disassemble it without permission. Non professionals are not allowed to replace internal components and repair them with electricity.

This product should avoid lightning strike and storage in corrosive environment. Clean with soft cotton cloth should be selected for daily maintenance to wipe the whole machine. It is forbidden to wash the whole machine body with water or use it violently.

Connect the analog signal interface

1. Connect the AC power supply.
2. Press the main power switch, and the power indicator light will be on at this time, indicating that the power supply of the LED Poster machine has been connected.
3. If no image appears after power on, press the standby key on the remote control or the set key on the control panel to turn on the TV.
4. When using this poster for the first time, it is recommended that you use the default settings for automatic display.



Connecting the digital signal interface

1. This is a digital analog integrated machine. You can watch HD signal video online without connecting to the set-top box. Before using, please make sure that your use of environment supports digital signal and networking functions.
2. Connect the power supply and the connected equipment plug to the AC power socket, and turn on the power switch.



Attention before using remote control

- ▶ When using the remote control, point it to the remote sensing window, and avoid placing obstacles between the remote control and the remote sensing window.
- ▶ Do not allow the remote control to be severely shaken, splashed with liquid or stored in a high temperature and humidity position, which will be deformed by heat.
- ▶ When the LED Poster machine is under strong light, the remote control may fail, please change the angle of lighting or display surface.
- ▶ The remote control is a built-in lithium battery with a charging input voltage of 5V. If the remote control is not used for a long time or the power is insufficient, please use it after full charge, and use the specified USB cable to charge the remote control. Overcharge will shorten the battery life.



Remote control matching method and infrared function operation

► The remote control and USB receiver are paired at the factory, so the receiver can be used directly after being plugged in. If the remote control and receiver cannot be connected normally due to mis-operation or other reasons during the use, the following methods can be used:

Start pairing	After inserting the receiver, close the remote control to the receiver within 10 cm, press and hold the [Vol +] and [vol -] keys on the remote control for about 3 seconds, and the blue light will be on, indicating entering the pairing mode.
Pairing Successful	After a few seconds, the blue indicator flashes three times and turns off, indicating that the pairing is successful.
Pairing failed	In 30 seconds, the pairing failure blue indicator light goes out and exits the pairing mode.

► When the remote control is not connected with the USB receiver, the front button is infrared function (except for the empty mouse); when it is connected with the USB receiver, it is 2.4G function; the [power] key always sends infrared key value.

a. At the same time, press and hold the [OK] + [power] key for about 3 seconds, and the indicator light will change from slightly lit to highlighted, then release it; press the key to be learned, and the indicator light will flash; wait for the learning signal;

b. Use the learned remote control transmitter to align with the distance 1cm of the remote control transmitter. Press the key to learn for about 3 seconds; the indicator light will be on after 3 times of slow flashing after learning, repeat steps B ~ C to learn multiple keys continuously; press the [empty mouse] key to exit the learning mode and save the learning data;

Remote control matching method and infrared function operation

Improper use may cause electric shock or fire accident. To prevent dangerous situations, please follow the following instructions when installing, using and cleaning the machine. To ensure your safety and extend the service life of the product, please carefully read the following safety precautions.

Warn

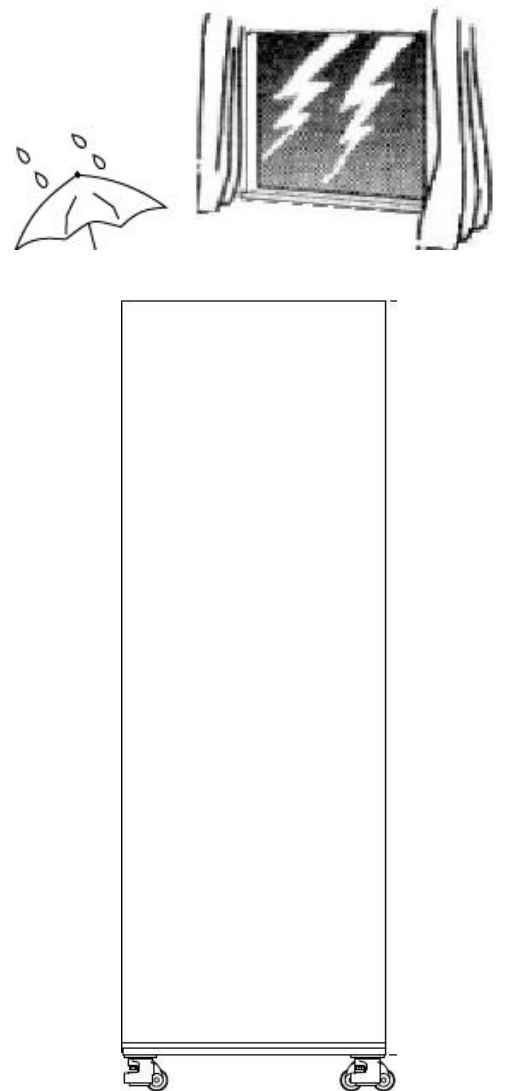
There is high voltage in the core components of the product. Non professionals should not open and disassemble them to prevent electric shock.

To avoid product damage, do not use the machine in case of thunderstorm, lightning or long-term non use, and unplug the power plug and other wire circuits.

In order to prevent fire, exposed flame sources, such as candles and live wires, shall not be placed on the shell of this product.

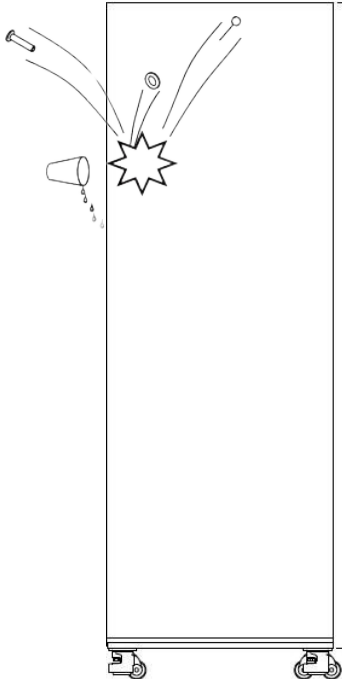
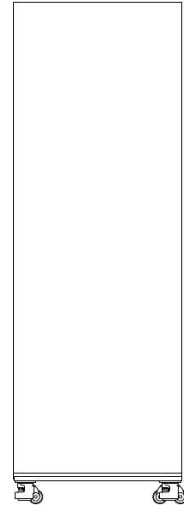
In order to fully ventilate, there should be at least 5cm space gap or distance between the product and the wall.

The equipment shall not be scoured by corrosive liquid, but it can be wiped with wet cotton cloth. At the same time, it is not allowed to place vase like items full of water on the equipment. In case of any abnormality (if there is peculiar smell) or foreign matters falling into the product, the LED integrated machine shall be closed immediately and the plug shall be pulled out, and the manufacturer shall be contacted for maintenance as soon as possible.



Improve Air Circulation

Do not insert any foreign matters into the machine, which may cause electric shock or short circuit of internal parts. At the same time, the high temperature in the machine will shorten the service life. It is necessary to ensure that the equipment is well ventilated, do not block the heat dissipation surface, do not place the equipment in the flammable and explosive ring. The equipment is installed as a assembled type, and can move freely. Do not place the machine in a closed narrow space.



Ambient Temperature

During the operation of the LED Poster machine from low temperature to high temperature, or when the ambient temperature suddenly changes, the image of the Poster machine may change, or the color quality of some pictures may decline, because of the condensation of moisture on the internal or display surface of the Poster machine.

Poster Safe Use and Matter

Clean

Before cleaning the machine, please unplug the power plug from the AC power socket. Do not use water to wash or soak it. Topcob technology is adopted for the display surface of the product, which can effectively prevent water, moisture, earthquake and friction. However, please use clean soft cloth or special lens wiping cloth when cleaning.

Surface

This machine is equipped with infrared touch function, which can be touched on the surface.

Avoid Damage

When the screen surface is severely impacted by hard objects, special attention shall be paid during handling, loading and unloading, otherwise the damage of LED lamp beads will affect the visual appearance of the screen, and people's life safety shall be carefully handled..

Accessory Device

Do not use accessories that are not recommended by the manufacturer. Improper use of accessories may cause accidents. When installing the Poster machine, please use the base or wall mounting bracket provided, otherwise there will be a potential safety hazard and personal injury.

Fall

This machine may have cracks and grooves on the display panel due to parts falling or other impact due to external force. Please be careful not to be scratched.

Maintenance Service

Do not attempt to repair the machine by yourself. The core components of the product are equipped with high-voltage power and other hazards. Please ask the professional maintenance personnel for maintenance. In case of the following situations, please unplug the power plug from the AC socket and ask the professional personnel for maintenance:

- a. The power cord or plug is damaged.
- b. Power failure of unit cabinet.
- c. The machine is exposed to rain or water.
- d. If you have operated the machine according to the operating instructions, but the machine can not work normally, please do not touch the control parts not mentioned in the operating instructions without authorization. Improper adjustment of the control parts not mentioned in the operating instructions will damage the machine and often increase the maintenance workload of professional technicians.
- e. The machine is dropped or damaged
- f. The machine is abnormal. All obvious abnormalities indicate that the machine needs to be repaired.

Note: when the machine needs to replace the spare parts, please confirm that the maintenance personnel use the spare parts designated by the manufacturer or with the same performance as the original parts.

Improper use of the spare parts will cause the product to fail to work normally, in serious cases, fire, electric shock or other hazards.

After the maintenance of the machine, please ask the maintenance personnel to carry out safety inspection to ensure the normal operation of the machine.

LED TV Safe use and matters

Moving

Do not place the machine on an unstable trolley, bracket, tripod, or table. Unstable base may cause the machine to collapse, causing serious personal injury and product damage. Please use only the mobile base supplied by the manufacturer and place it firmly on the ground or floor. To install the machine on the wall, please follow the manufacturer's instructions and use only the installation accessories recommended by the manufacturer.

When moving or moving the Poster machine, extreme care shall be taken. Emergency stop, shaking, excessive force and uneven ground will cause the machine to fall. At the same time, it is better to have two or more people cooperate with each other.

Do not use the machine near water, such as bathtub, swimming pool or wet basement.

Do not place the machine in a heat source, such as radiator, heating equipment, stove and other hot objects

Unplug the power plug to completely isolate the two poles of the power supply. Do not block them. The power cord should be set properly to avoid being trampled and squeezed by objects. Please check the plug and the power cord interface of the machine.

Before moving the Poster machine, please unplug the power plug first to avoid the fire or electric shock caused by damaging the AC power supply.

AC power socket and extension wire shall not be overloaded, otherwise it will cause fire or electric shock.

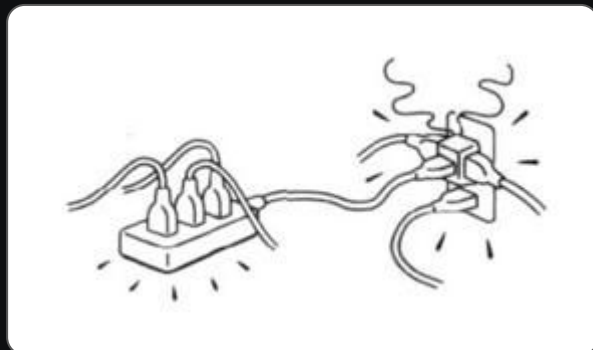
The AC power plug should be completely inserted into the AC power socket. If it is loose, it may cause sparks and fire.

When unplugging the AC power cord, please hold the plug part, do not pull the power cord itself

Socket

When you do not use the machine for a long time, please pull out the plug from the power socket.

Please use the power supply specified on the specification label. If you are not sure what type of power supply is used in the site, please contact the manufacturer.

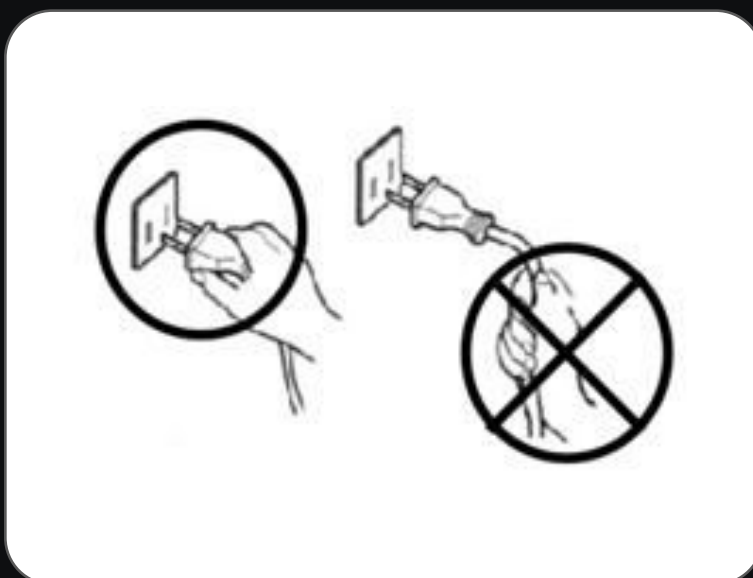


The three core power supply must be well connected with the ground to avoid the risk of electric shock. (single phase three core).

Interface

Except that the LED module and receiving card contained in this machine can be hot swapped, all other interfaces need to be plugged in and out when the power is off.

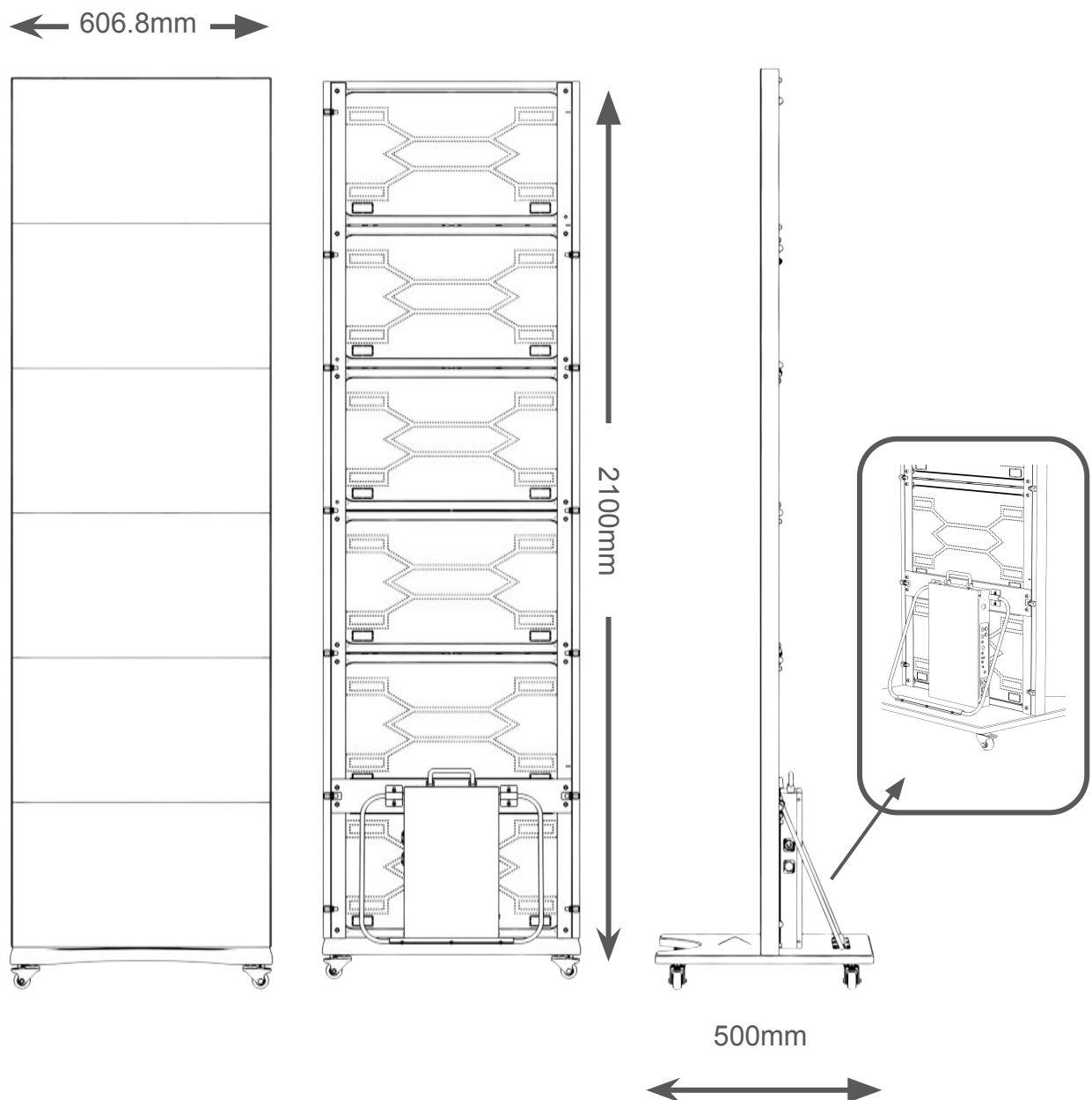
Power Supply



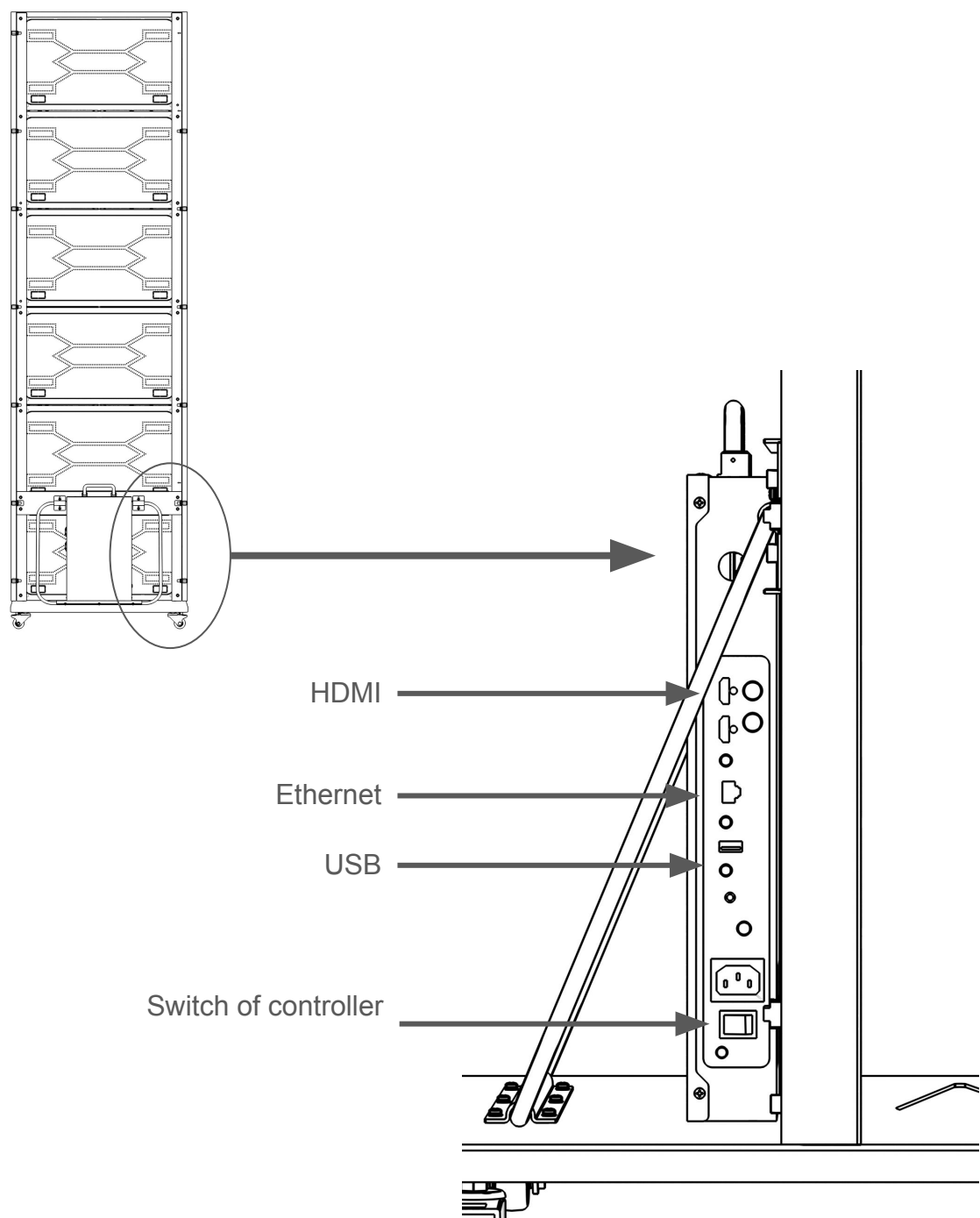
Specification

Pixel Pitch (mm)	0.9	1.2	1.5	1.8
Size of module (mm) (W x H)	150x168.75mm	150x168.75mm	150x168.75mm	150x168.75mm
Resolutions (W x H)	640x2160	480x1620	384x1296	320x1080
Poster size (mm) (W x H)	606.8x2100x500	606.8x2100x500	606.8x2100x500	606.8x2100x500
Weight	55kg / Poster	55kg / Poster	55kg / Poster	55kg / Poster
Application	Indoor use only	Indoor use only	Indoor use only	55kg / Poster
Brightness	600nits (Calibrated)	600nits (Calibrated)	600nits (Calibrated)	550nits (Calibrated)
Louver design	COB	COB	COB	COB
Color temperature	3,500-10,000K	3,500-10,000K	3,500-10,000K	3,500-10,000K
Input signal	HDMI / DVI	HDMI / DVI	HDMI / DVI	HDMI / DVI
Working Input voltage	AC:100~240V 50-60Hz	AC:100~240V 50-60Hz	AC:100~240V 50-60Hz	AC:100~240V 50-60Hz

Diagram



Diagram



Before seeking maintenance service, please check the following items to confirm whether the fault can be solved.

Problem	Checking
No image & audio (Poster, Video, PC)	<p>A: Please confirm that the AC 220V plug of the power supply has been firmly inserted into the power socket.</p> <p>B: Please make sure that the main signal line is connected properly.</p> <p>C: Please make sure that the power switch of peripheral machine connected to this machine is turned on.</p> <p>D: Please make sure the machine is not in standby mode</p> <p>E: Please confirm that the power indicator and signal indicator of the main board are normal.</p>
No Audio (Poster, Video, PC)	<p>A: Please make sure the volume is not set to minimum.</p> <p>B: Please make sure the volume is not muted.</p> <p>C: Please make sure the audio cable is connected.</p> <p>D: Please make sure there is audio output from this computer.</p> <p>E: Please confirm that the power indicator and signal indicator of the main board are normal.</p>
No Image or Audio (Poster, Video, PC)	<p>A: Please confirm that the AC 220V plug of the power supply has been firmly inserted into the power socket.</p> <p>B: Please make sure that the main signal line is connected properly.</p> <p>C: Please make sure that the power switch of peripheral machine connected to this machine is turned on.</p> <p>D: Please make sure the machine is not in standby mode</p> <p>E: Please confirm that the power indicator and signal indicator of the main board are normal.</p>
Image not clear (Poster, Video, PC)	<p>A: Please confirm whether the video signal mode is appropriate when selecting video mode.</p> <p>B: Please confirm the video material.</p>
LED Pixel out of control (Discrete or continuous)	<p>A: Please confirm whether the LED beads are broken or damaged by impact.</p> <p>B: Please confirm whether the LED lamp bead is aging and falling off.</p> <p>C: Please replace the spare LED unit module directly (or repair by the Engineer).</p>

Before seeking maintenance service, please check the following items to confirm whether the fault can be solved.

Problem	Checking
LED Module out of control (Discrete or continuous)	<p>A: Please confirm whether the power supply of the hub board is normal and whether the signal amplifier chip is abnormal.</p> <p>B: Please confirm whether the power signal connector is loose or aged abnormally.</p> <p>C: Please replace the spare LED unit module directly.</p>
LED cabinet out of control (Discrete or continuous)	<p>A: Please confirm whether the power supply of cabinet is abnormal.</p> <p>B: Check whether the electrical and signal connectors are loose.</p> <p>C: Please confirm whether the receiving card and its program work abnormally.</p> <p>D: Please confirm whether the hub signal works abnormally.</p>
The overall screen is abnormal (Ghosting or blending)	<p>A: Please confirm whether the control system board is abnormal.</p> <p>B: Please confirm if the HDMI cable is faulty.</p> <p>C: Please confirm whether the network cable transmission is abnormal.</p> <p>D: Please confirm whether the program loading is abnormal.</p>

Statement

Thank you for choosing Pensar LED product. This document is intended to help you understand and use the product. For accuracy and reliability, Pensar LED may make improvements and/or changes to this document at any time and without notice. If you experience any problems in use or have any suggestions, please contact us via the contact information given in this document. We will do our best to solve any issues, as well as evaluate and implement suggestions.

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