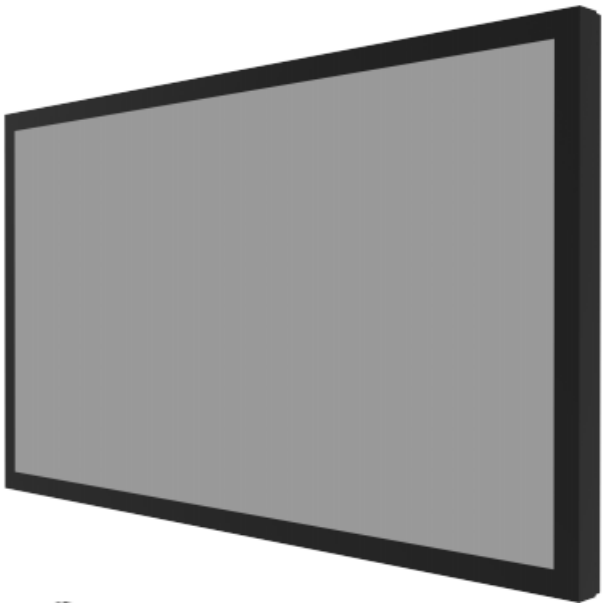
User's manual



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catalog

1 preface

1. 1Product overview

The 55BDL6052H / 00 is an outdoor LCD display screen with HD highlight for outdoor viewing in sunlight and IP56 rating. Widely used in commercial streets, residential areas, scenic spots, hospitals, schools, restaurants, stations and other outdoor scenes.

1. 2 Introduction to the content

This document introduces 55BDL6052H / 00 display screen structure, technical parameters, installation, use, maintenance and troubleshooting.

1. 3 Operating instructions

The equipment should be installed and adjusted under the guidance of professional electrical engineer and software engineering to prevent personal injury or equipment damage caused by improper operation.

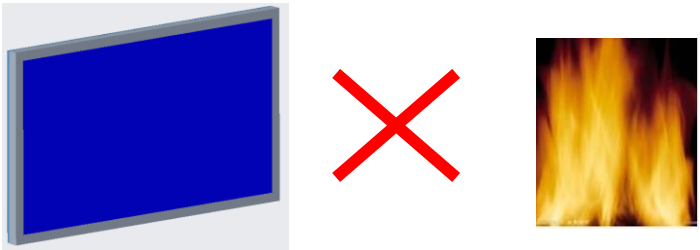
2 Safety precautions

2.1 Please read this manual carefully before installation to confirm whether the local voltage is consistent with the requirements of the manual.

2.2 The display device is tested, IP56 class compliant and can be placed outdoors, even in rain, but not protected from immersion in fluids.

2.3 Long exposure in the sun, the liquid crystal display device and the shell surface may be very hot, please do not touch.

2.4 Do not install the display device near an open flame source. Never use the display device near an open flame source.



2.5 the surface of the whole machine can not be covered by other objects, so as not to affect the heat dissipation effect.

2.6 cleaning and maintenance of internal devices, disconnect the power display device.

2.7 Do not put the liquid cleaner or spray cleaner directly on the display device shell and glass, should use a wet cloth to clean.

2.8 display device and circuit without the guidance of professional engineers can not be arbitrary change or demolition, resulting in damage to display components manufacturers do not assume any responsibility.

2.9 display device in the work, prohibit touching the internal electrical parts, resulting in personal injury, the manufacturer does not assume any responsibility.

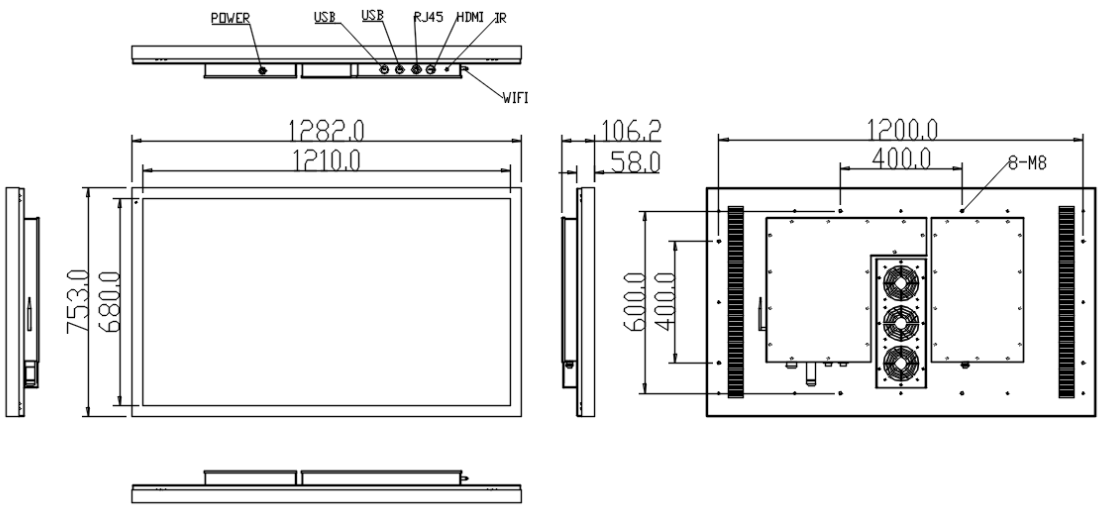
2.10 If static content will be displayed, be sure to enable the screen to refresh the app periodically. Showing still or static images for long periods of time may create a "burn mark" on the screen, also known as a "blur" or

"afterimage." This is a common phenomenon in liquid crystal panel technology. In most cases, after turning off the power for a certain period of time, the "brand," "afterimage" or "afterimage" will gradually disappear. Warning: Severe "burn-in," "afterimage" or "afterimage" will not disappear and cannot be repaired. That's not covered under warranty either.

3 Power Cord

Display device in the absence of special customer requirements, the standard set aside 1.8m power cord, the customer can be used or replaced according to specific needs of different lengths of power cord, but must ensure that the replacement of power cord diameter is not less than the standard power cord.

4 Shape and size (mm)

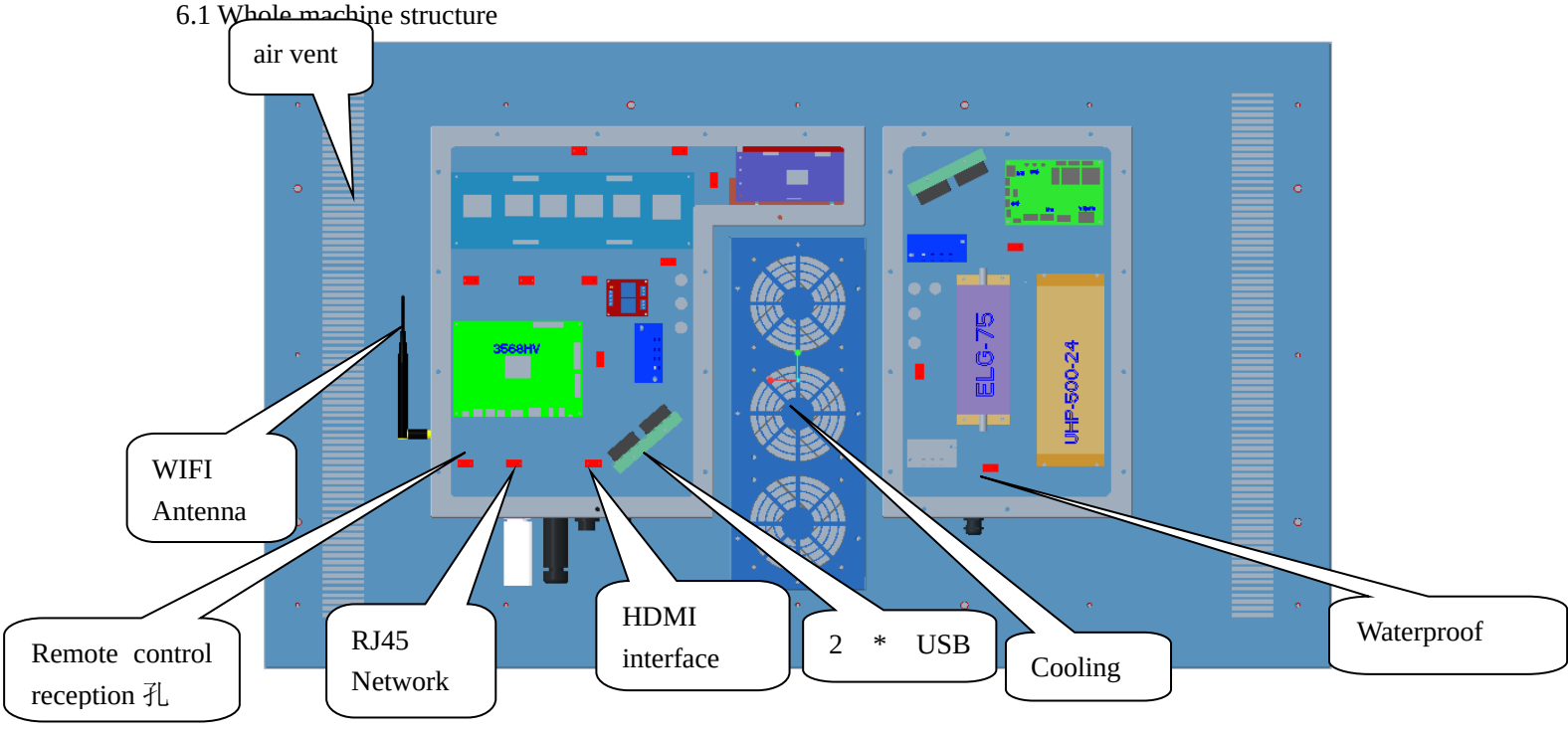


5 Technical parameters

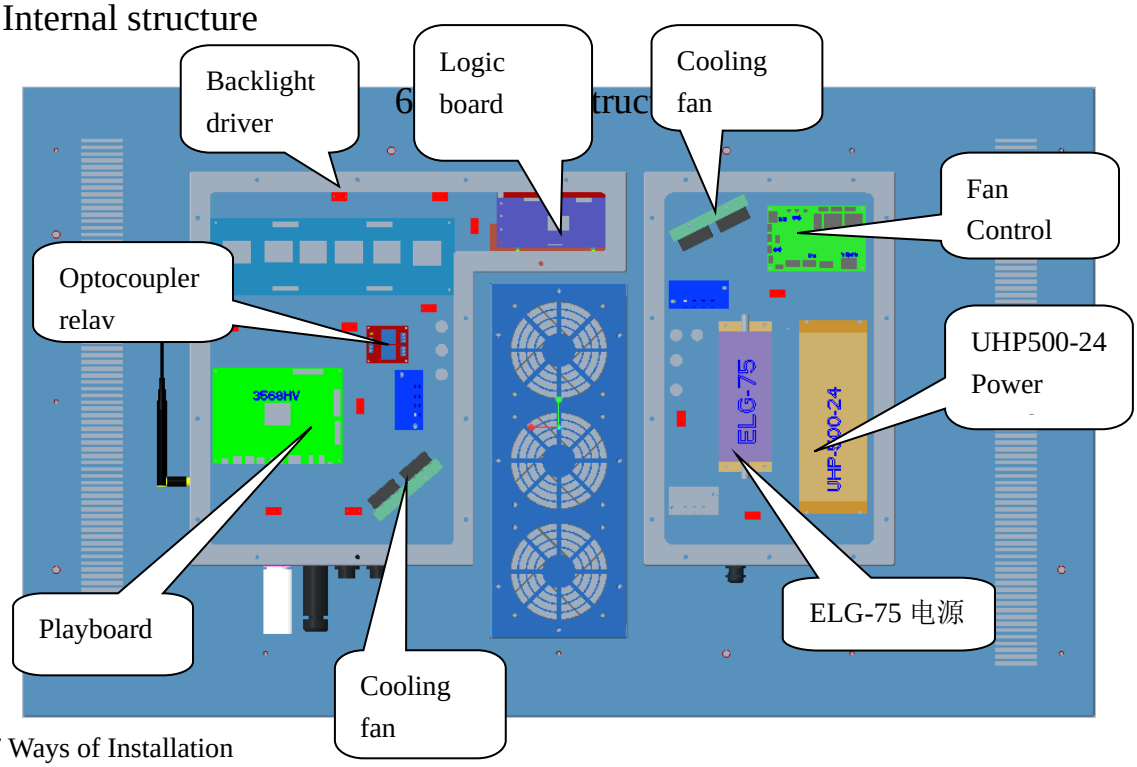
External dimensions	1282mmx753mmx106.2mm
Display	55”
Resolving power	1920*1080
brightness	2500cd/m^2
Viewing angle	178°
contrast ratio	1200:1
Degree of protection	IP65
Temperature control mode	Air cooling
Operating temperature	-20℃～+45℃
Operating humidity	5%～100%
Operating voltage	100-240V±10%，50/60HZ 3.5A
Power (Max)	310W

6 display device schematic diagram

6.1 Whole machine structure



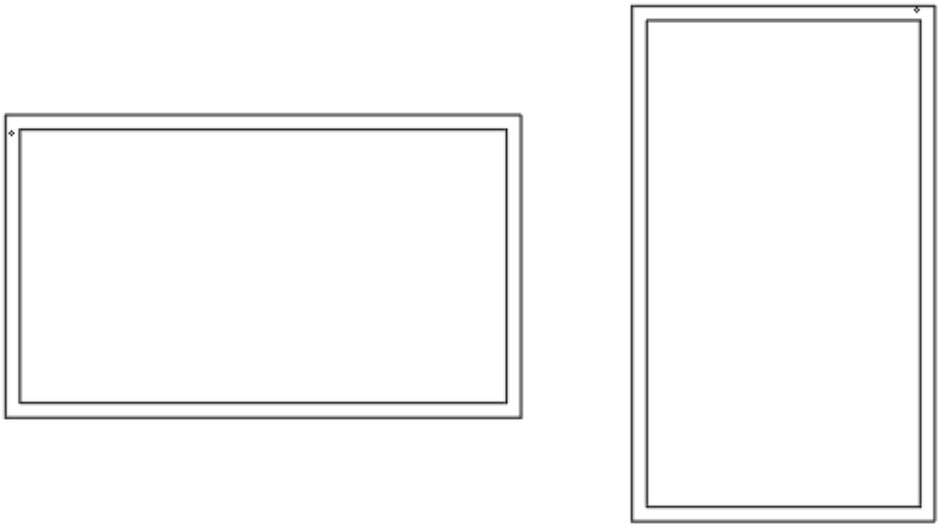
6.2 Internal structure



7 Ways of Installation

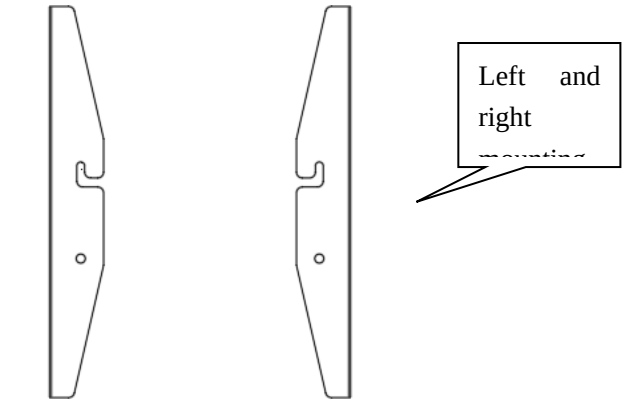
7.1 Installation location, environment

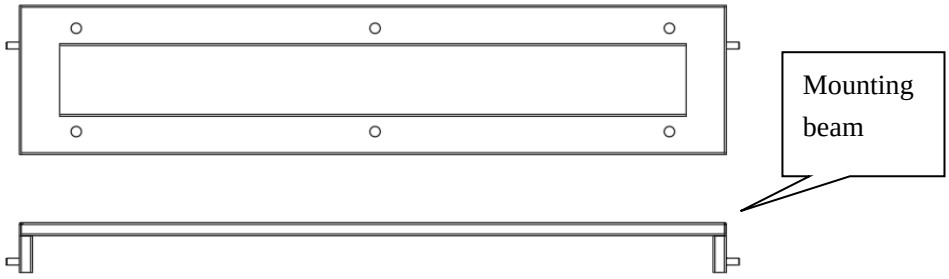
The display screen back reserved 8 M8 mounting holes, can meet the wall, hanging and embedded mounting. In the location must be considered around the display device to have enough room for heat dissipation. The product can be installed horizontally and vertically.



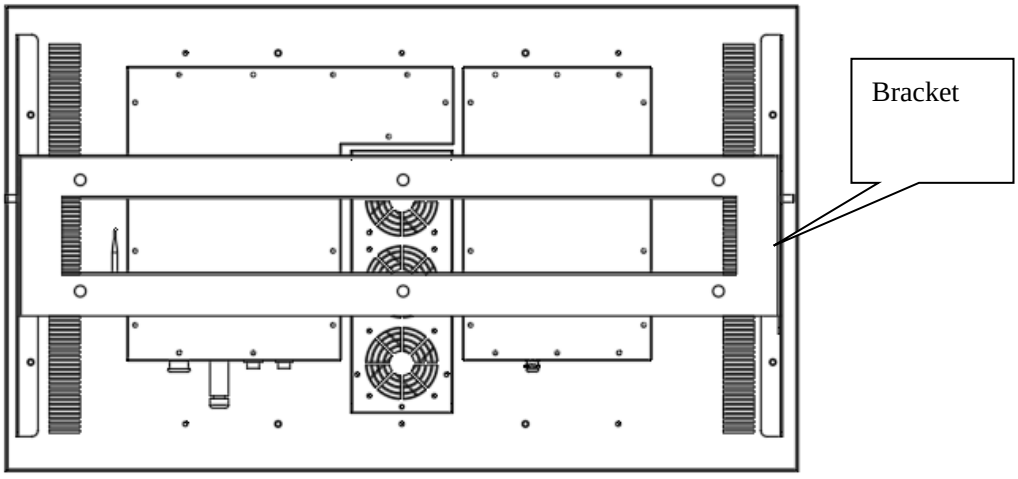
- 7.2 Wall Mount Installation
- Display device supports wall-mounted installation. Wall installation need to make installation bracket in advance. The reference bracket is as follows (left and right hanging lugs + mounting cross member):

支架：



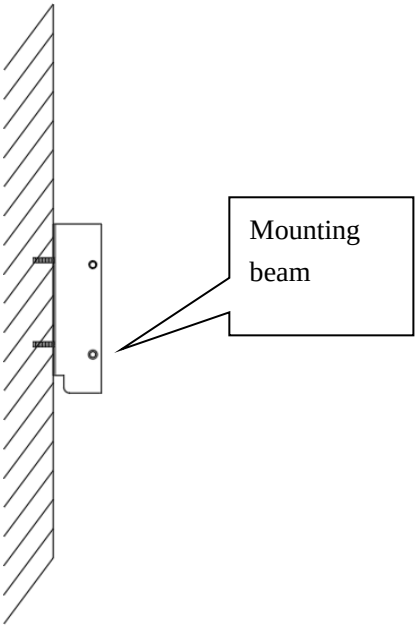


Schematic diagram of display screen after mounting bracket

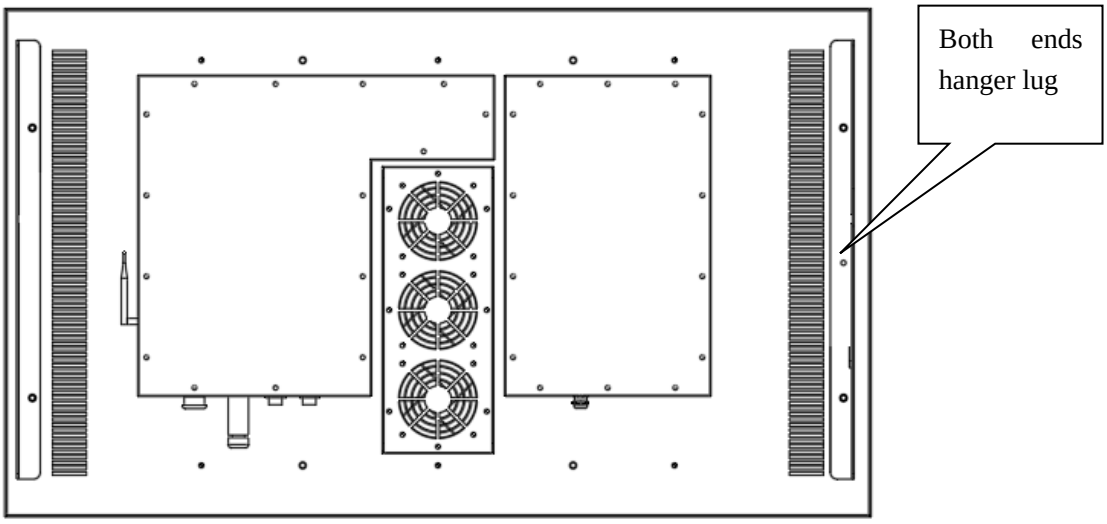


1:Installation Schematic:

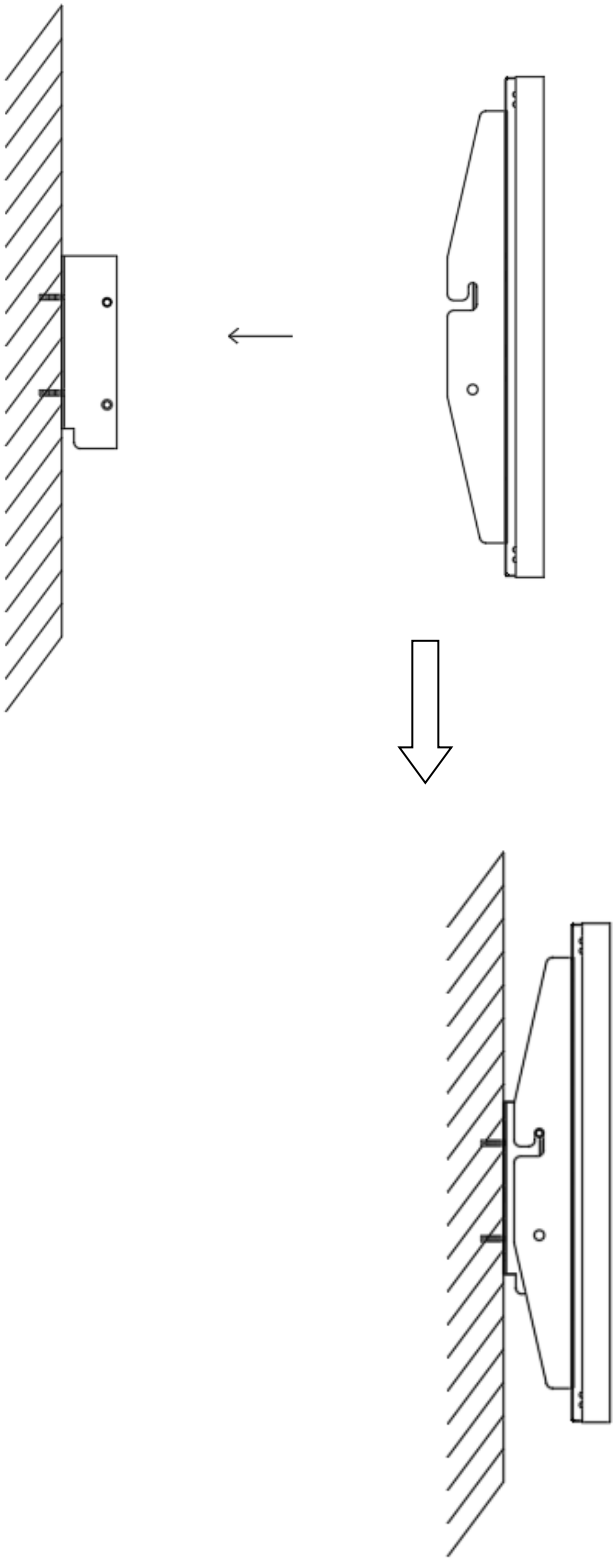
(1) Fix the installation beam on the wall with the pull bolt.



2:Left and right lugs are mounted on the display device



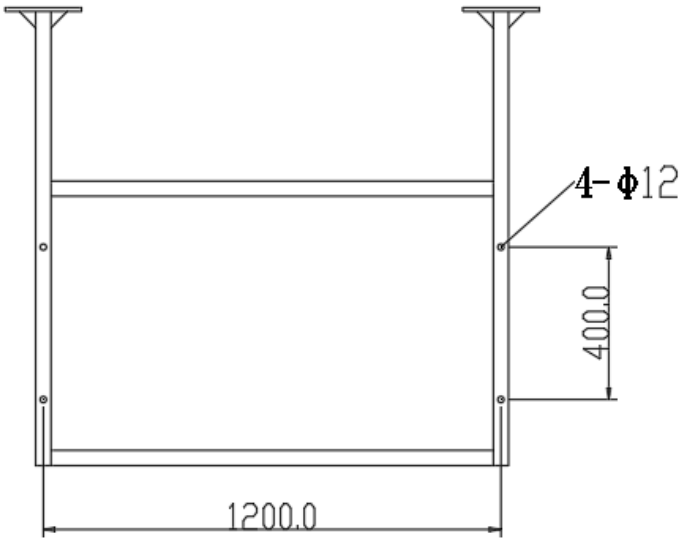
(2)Install display device



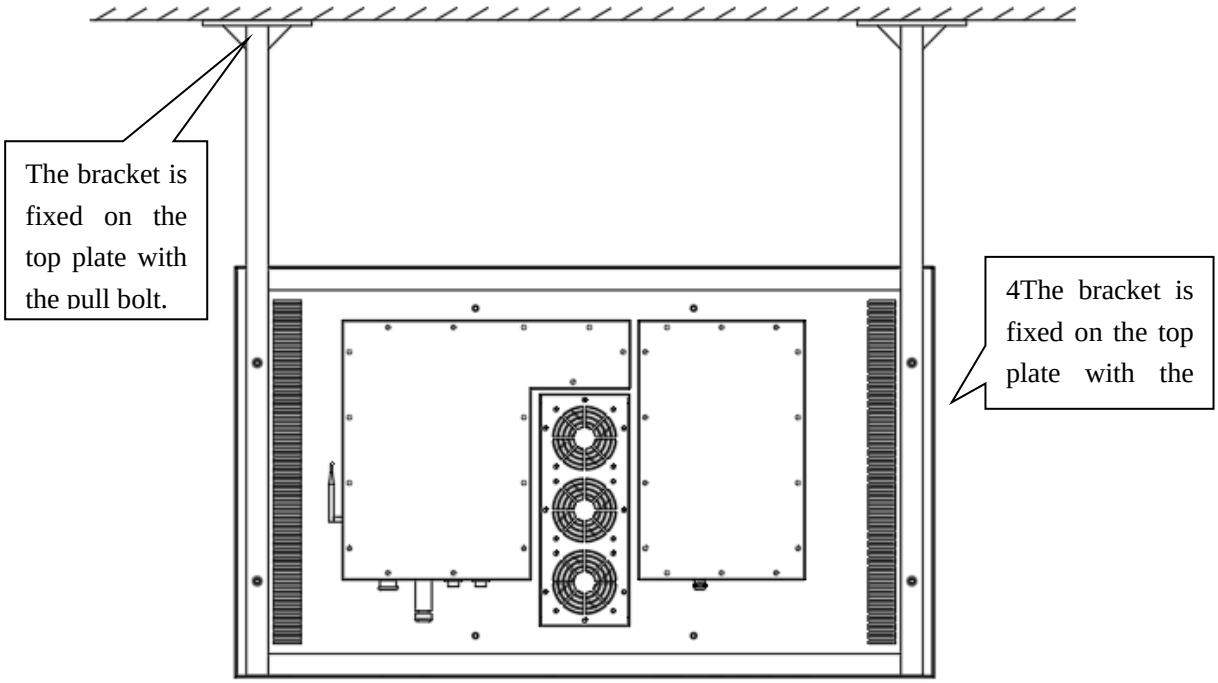
- 7.3 Hanging installation method
- The display device supports hanging mounting. The installation bracket

should be made in advance for hanging installation. The bracket can be welded into a fixed shape. It is required to bear more than 150 kg. Reference brackets are as follows:

- Bracket

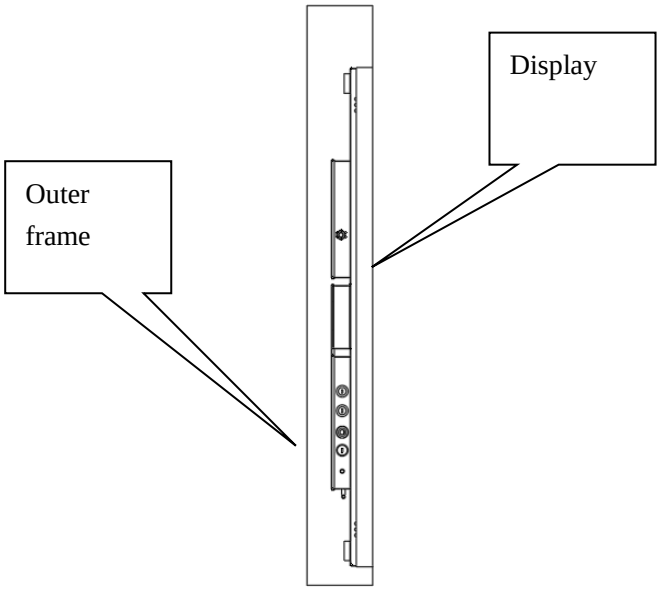


- Schematic diagram after installation:

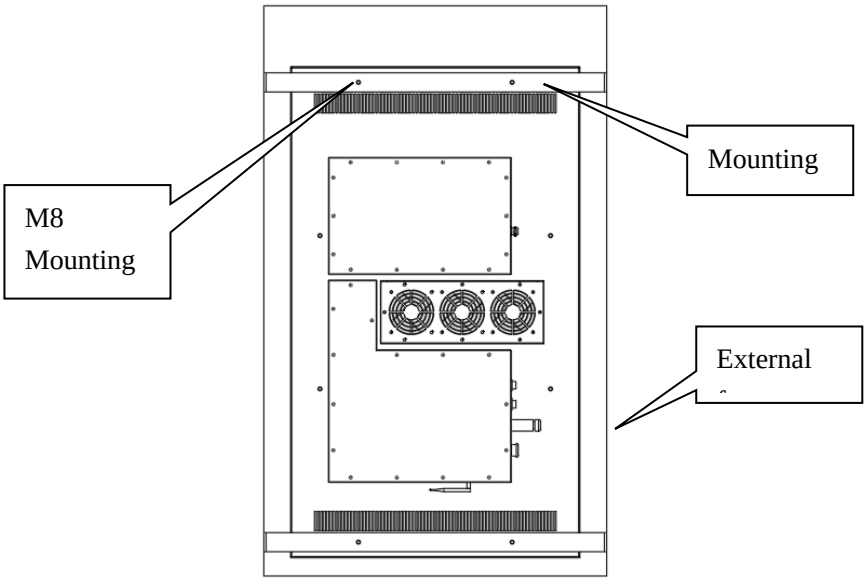


7.3 Embedded installation

Display products support embedded installation, that is, the display device embedded in the user box. The user needs to ensure that the outlet of the display device is not blocked and ventilated smoothly. The back of the liquid crystal screen is fixed on the frame body through two adjusting crossbeams. Refer to the figure below



Internal installation method:



8 Power-on test

8.1 Safety inspection

The display device has been tested and can run normally. If the customer has made changes to the line and other components (replacement of the power cord, addition of other electrical parts, etc.), general safety testing is required before power-on to determine whether there is a short circuit. This operation should be carried out under the guidance of professional electrical engineers, and the test tool is a multimeter.

8.2 Power up

After the external power cord plug is connected to the power supply socket, the display device will be powered. Please confirm whether the power supply voltage is consistent with the requirements of the product before powering on.

9 Temperature control system

The display device temperature control system uses the adjustable speed

fan, when the display device internal temperature rises, the fan speed automatically increases, increases the air volume to cool down; When the internal temperature is reduced, the fan speed is automatically reduced, saving energy.

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.
Any 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.

RF warning:
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 & your body.