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32 inch embedded advertising machine

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1. Introduction

Summary

Equipment introduction and common fault analysis and troubleshooting.

This document applies to the following products:

Product Model	Product Name
VDS-3225	Advertising Machine

File version

Document version 01 (202 2 - 12- 12) , initial release.

File version 01(2020- 12 -12), and it is the first issue of the manual.

2. Equipment Introduction

Parameter configuration

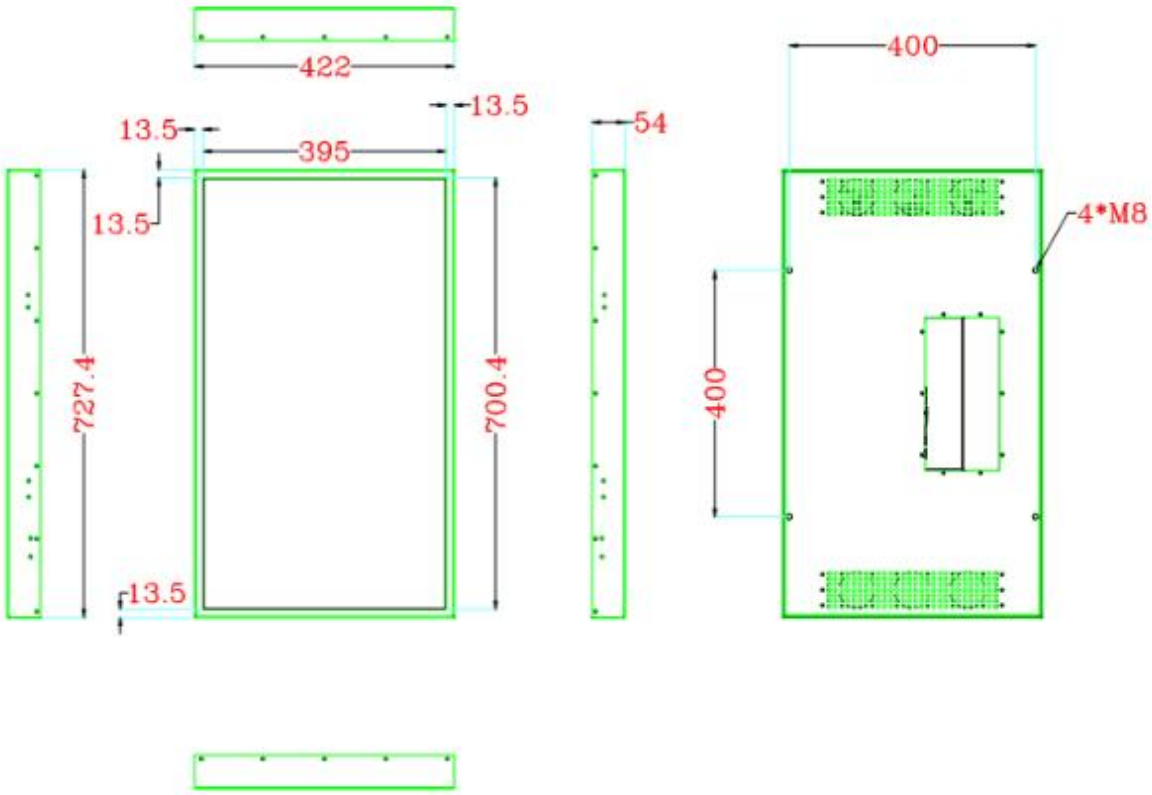
Hardware Parameters

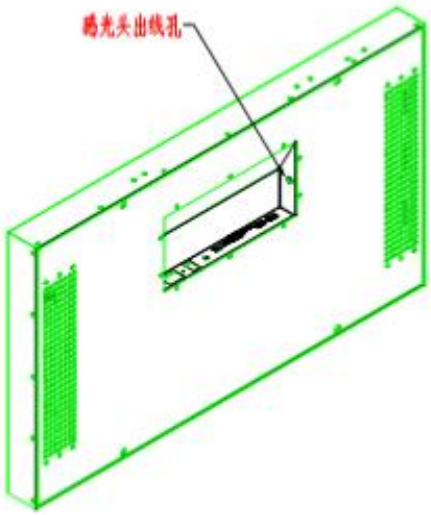
Motherboard	Rockchip RK3568 /DDR3 2G/EMMC 32G
network	RJ45 and 2.4G WIFI
system	Android 11
High-fidelity audio system	2*3W (optional)
External interface	1*USB3.0, 1*USB3.0, 1*RJ45, 1*HDMI out, 1*RJ45,1*TF,1*AUDIO
Operating temperature	0 ~ 50
Rated input voltage	AC100-240V
Rated input current (A)	⩽2
Rated power(W)	⩽200

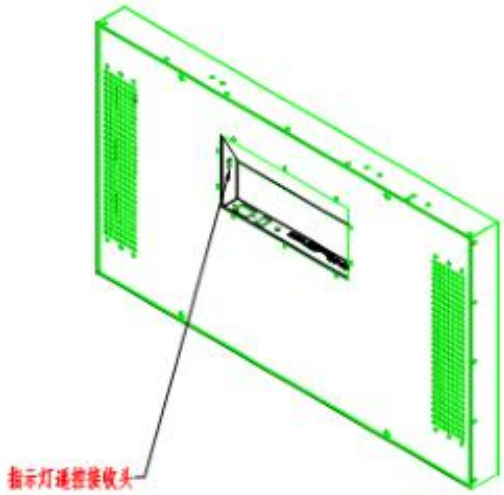
Display parameters

Display Scale	16:9
Resolution	1920 x 1080
Contrast	1000 : 1
Viewing Angle	89/89/89/89 (Typ.)(CR⩾10)
Pixel Layout	RGB vertical stripes
Panel brightness	2500 cd/m² (Typ.)
Backlight	Mini LED

Dimensions


422
13.5
13.5
395
13.5
727.4
700.4
13.5
54
400
400
4*M8


感光头出线孔


指示灯遥控接收头

Product technology and certification

1、 The shell is made of 1.2mm iron plate, with black fine sand sprayed on the surface for active heat dissipation;

2、

2. The screen adopts industrial-grade LCD panel, brand new A-size panel, and cooperated manufacturers: SAMSUNG, LG, BOE, AUO, CHIMEI

3. The power supply adopts military-grade power supply to ensure the stable use of the advertising machine. Cooperating manufacturers: Megmeet, Mean Well, etc.

4. Built-in temperature monitoring system to accurately control the internal temperature of the machine

5. The decoding adopts the ultra-high stability Linux embedded design solution, which perfectly interprets 1080P high-definition video

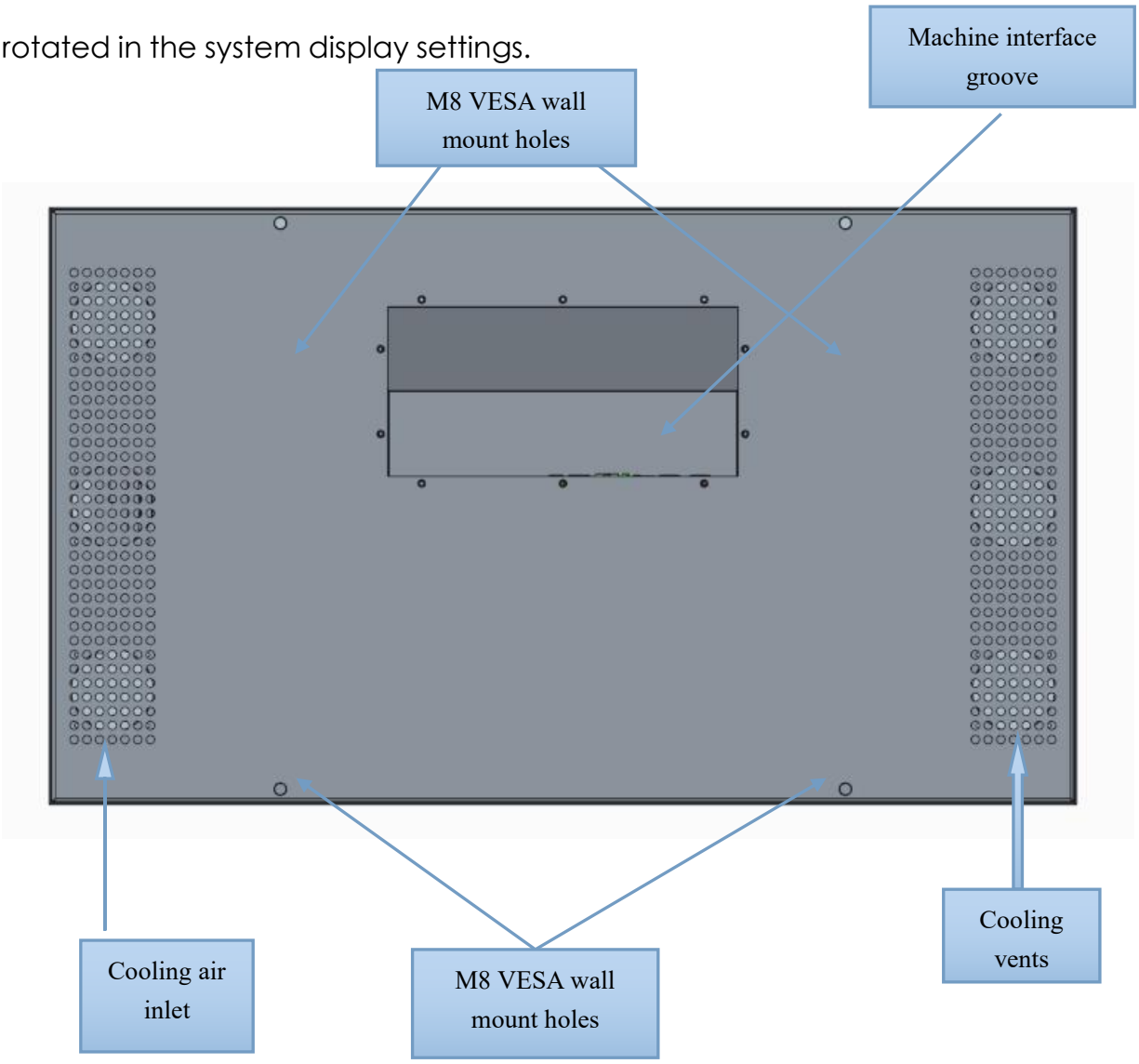
6. All our products have passed the national 3C certification

7. The production line is fully managed by ISO9001 advanced solutions

8. Has obtained 14001 environmental quality management system certification

3. Installation Instructions

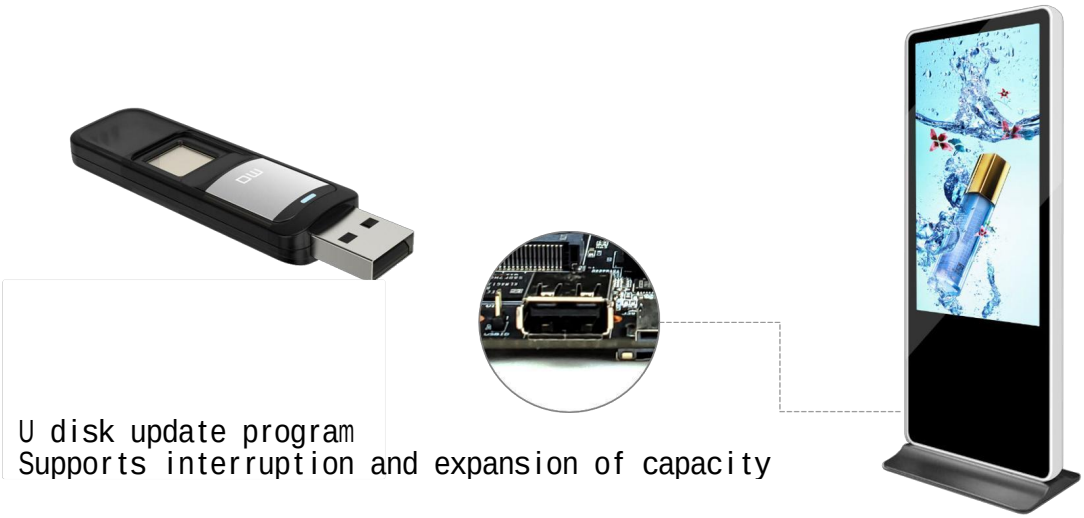
The back of the machine has a set of 400*400MM VESA holes, the specification is M8, and the connector can be fixed with M8*16 screws. The machine supports any horizontal or vertical screen installation, and the display screen can be rotated in the system display settings.



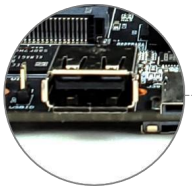
4. Instructions for use

1. Wi-Fi Update Program

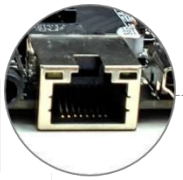
2. Update programs with USB flash drive



3. TF card update program



4. Update programs via network cable



Connect via network cable
to achieve LAN or Internet cluster control

5. Internet Update Program

Internet remote cluster management
Update LCD screen programs anytime, anywhere,
and see device information and status at a glance

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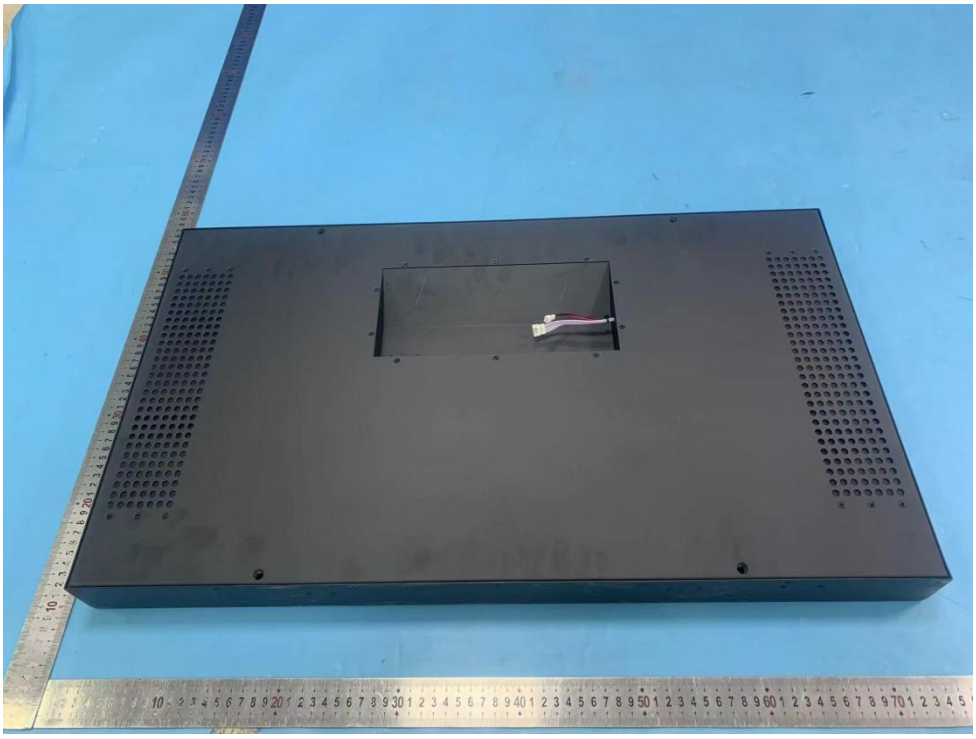
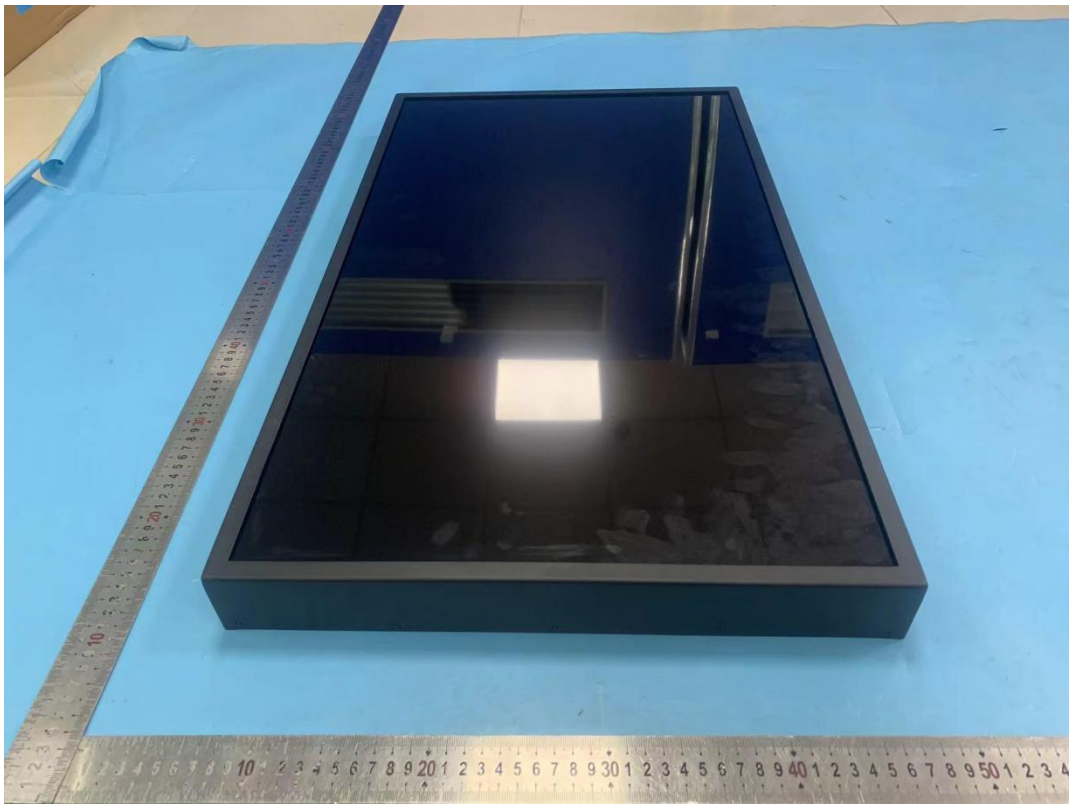
Appearance





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Warning:

: Beware of danger.

: Be careful of high voltage.

: The EU's "WEEE Recycling Mark". When discarding this product, it must be sent to the appropriate

facilities for recovery and recycling .

: Protective grounding, used to protect against electric shock.

: Do not touch the fan blades when the fan is rotating.

3. Equipment packaging

Packaging diagram

Body packaging size/weight	**83*16.5*54CM /15KG**
Pallet size/weight	**83* 85 * 125 CM /603KG**

Packing List		
name	Specification	quantity
Carton	32 inch embedded LCD advertising machine	1PCS
Remote Control		1 set
Remote control board	With cable 1.5M	1pcs
Light sensitive board	With cable 1.5M	1pcs

4. Common troubleshooting

AC power supply problem

The leakage protection circuit breaker trips

Check whether the hot wire, neutral wire, and ground wire of the power supply are connected in the correct position and whether the input voltage is within the range of 220VAC±10% .

Check whether the lines of the AC equipment are short-circuited or leaking.

Display Problem

1 Black screen

Check the indicator light on the remote control receiver. If it is red, use the remote control to turn on the device.

Check and confirm that the screen backlight has DC24 input (red and black wires) and a starting voltage of 3~5V (yellow and black wires).

Check the signal output of the Android board. If there is no video signal input for a long time, the display will automatically turn off.

2No signal when powered on

Check whether the signal source input channel is selected correctly.

Check whether both ends of the HDMI cable are properly connected.

Check whether the Android board has signal output.

Check whether the driver board is normal.

3. Lines appear on the screen

Check whether the V-by-one cable is properly connected.

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Check whether the logic board and FFC cable are properly connected.

Check if the driver board is working properly.

4. Poor display image and poor color

Check whether the quality of the video source is normal.

Check whether the contact at both ends of the HDMI cable is good.

Check whether there is strong electrical or magnetic signal interfering with the HDMI cable or screen cable.

Check whether the display settings such as color, brightness, contrast, and color temperature are normal.

Check whether the screen logic board and driver board are working properly.

Heat dissipation issues

1. The fan does not run

Check whether the fan power supply DC 24 V is normal. .

Check whether the fan related wires are connected properly

Check whether the fan speed regulator is working properly.

If a particular fan does not work, check whether the fan is damaged.

Remote control problem

Check whether the batteries are installed in the remote control and whether the battery polarity is correct.

Check whether there is any foreign object blocking the remote control receiver on the device.

Check whether the connection line between the remote control receiver and the driver board is normal.

Check whether the remote control is normal.

Notice

Due to product version upgrades or other reasons, the content of this document willbe updated from time to time. Unless otherwise agreed, this document is only usedas a guide.

All statements, information and recommendations in this document do notconstitute any warranty, whether express or implied.

Warning:

Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user ' s authority to operate the equipment.

NOTE:

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.

FCC Statement:

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.

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