7inch DSI Display C2

Liquid Crystal Display Module Product Manual



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V1.0	First release	2026-10-19

To ensure your safe use of this product, please read this manual carefully.

contents

1. Summary 3

1.1 . Feature Description 3

1.2 . Product Picture 3

2. Parameter 4

2.1 . LCD Module Parameters 4

2.2 . Other Parameters 4

3. Dimensional Drawing 5

3.1 . Module Dimension Diagram 5

4. **Connection and Use** 6

4.1 . Linkage Raspberry 6

4.2 . Operate the software system 8

4.3 . Modify the IIC interface 10

5. Safety Precautions 11

1.Summary

Feature Description

IPS Full-View Display

Wide viewing angle

True colors

Excellent dynamic image quality

energy conservation and environment protection

Standard display screen

Resolution: 1024×600

Touch control

Equipped with a capacitive touchscreen; supports 5-point touch control.

Compatible with Raspberry Pi (Raspberry Pi 3B+, Pi4, Pi5)

Supports Raspberry Pi OS/Ubuntu-Mate/Kali; provides image downloads and online wiki updates.

Directly connect to the Raspberry Pi; no additional power supply is required for the display.

1.1. Product Picture





1.2. **parameter**

LCD screen specifications

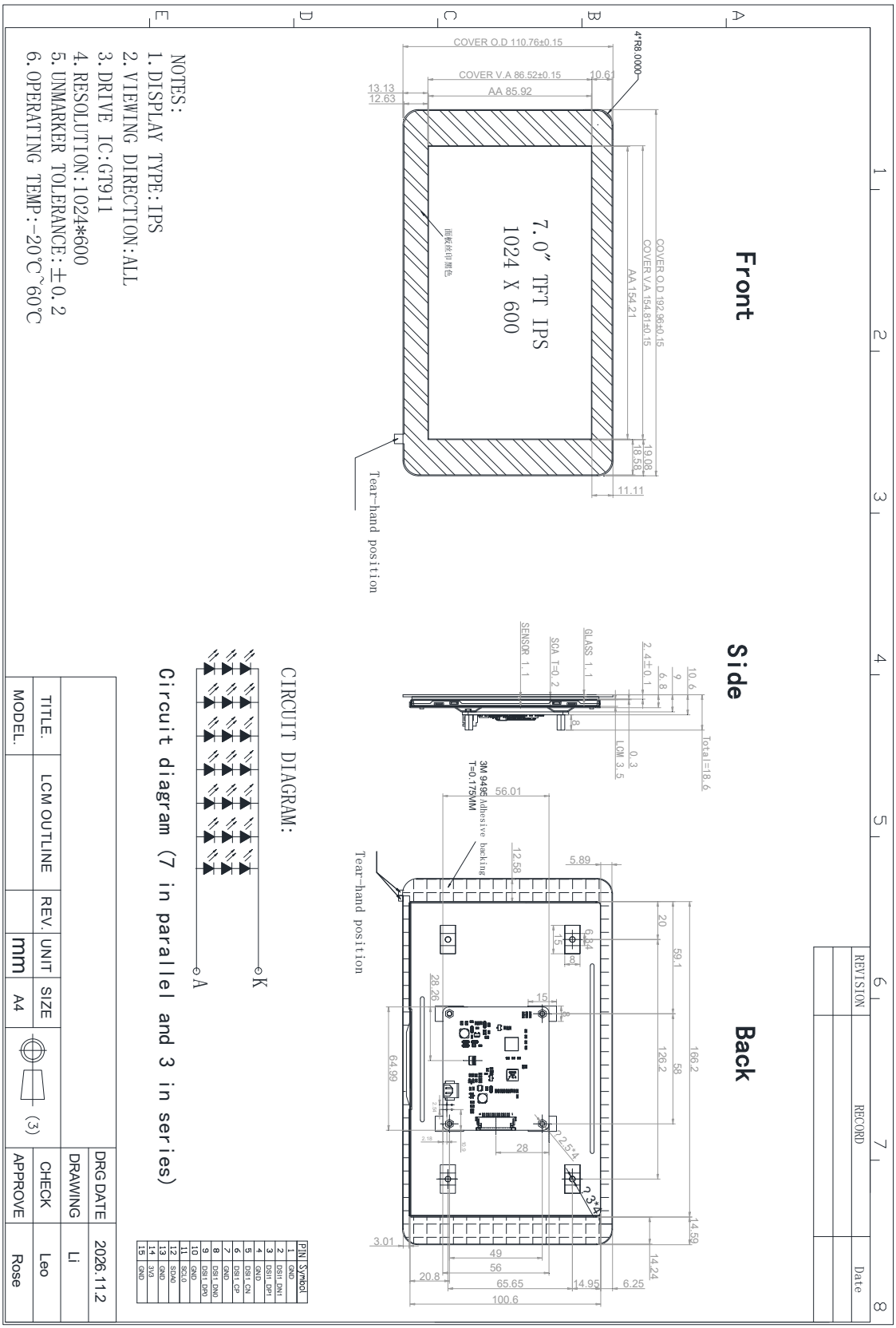
Item	Parameter	Unit
Screen Size	7.0	inch
Screen Type	IPS	-
Resolution	1024*600	pixels
Active Display Area	154.21 x 85.92	mm
Viewing Angle	170	deg
Max Backlight Brightness	320	cd/m2
Backlight Type	LED	-
Operating Temperature	-20~60	℃
Storage Temperature	-30~70	℃
Module dimensions	192.96x110.76x18.6	mm
Touchscreen type	Capacitive touch screen	-

1.3. Other Specifications

Item	Parameter	Unit
SKU	DSI7C02	-
Power Supply Voltage	5.0	V
Total Power (Max)	2.2	W
Weight (incl. packaging)	300	g

2. Dimensional Drawing

Module Dimensional Drawing

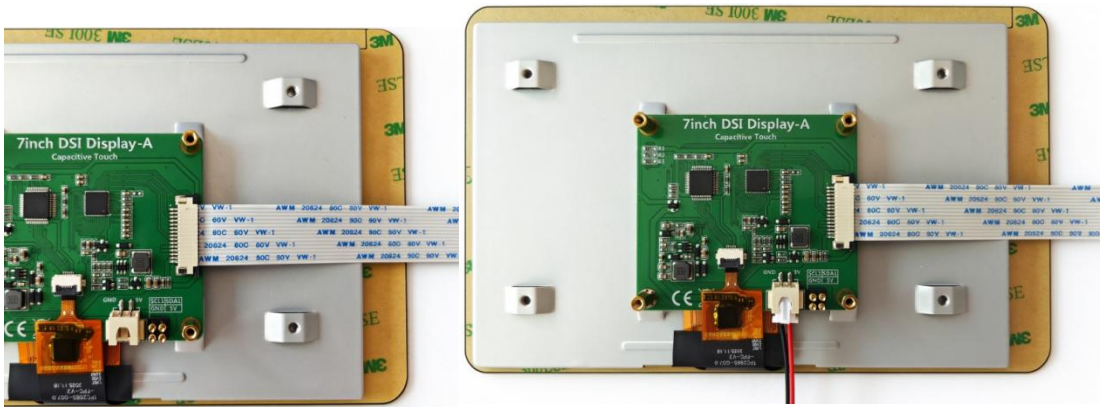


3. Connection and Use

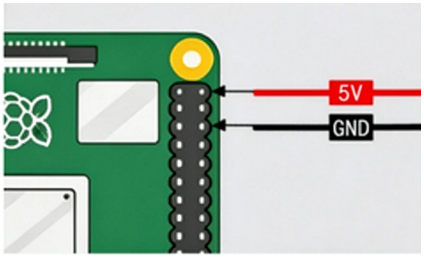
3.1. Linkage Raspberry

Raspberry Pi 4B:

As shown in the figure, first connect the MIPI header cable and the power cable, then place the Raspberry Pi in position and tighten the screws to secure it; finally, connect the header cable and power cable to the Raspberry Pi.



Connect the flexible patch cable and the power cable

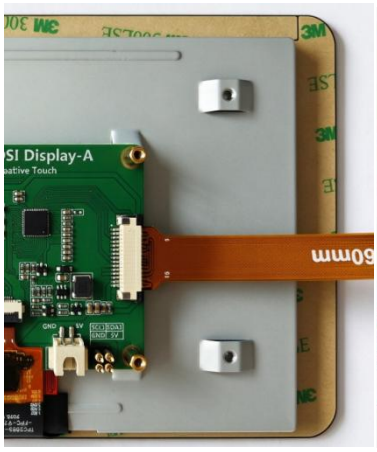


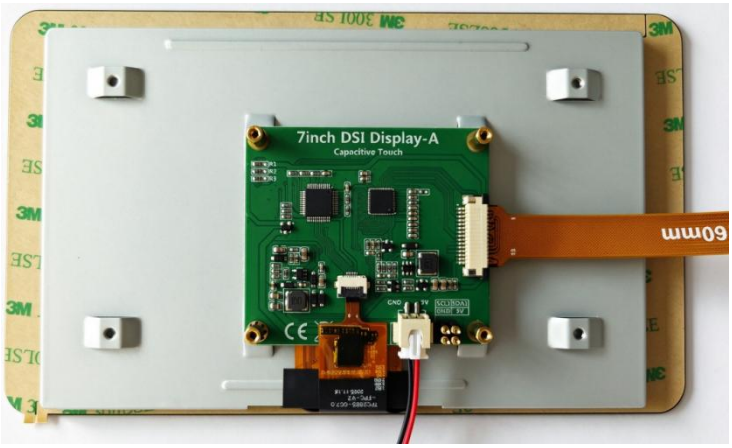


Connect the Ethernet cable and power cable to the Raspberry Pi.

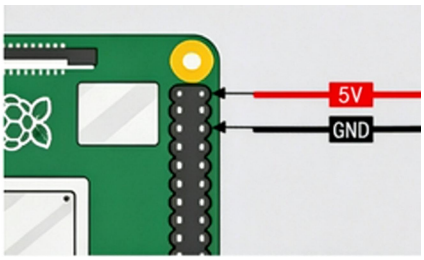
Raspberry Pi 5:

As shown in the figure, first connect the MIPI header cable and the power cable, then place the Raspberry Pi in position and tighten the screws to secure it; finally, connect the header cable and power cable to the Raspberry Pi.





Connect the flexible patch cable and the power cable

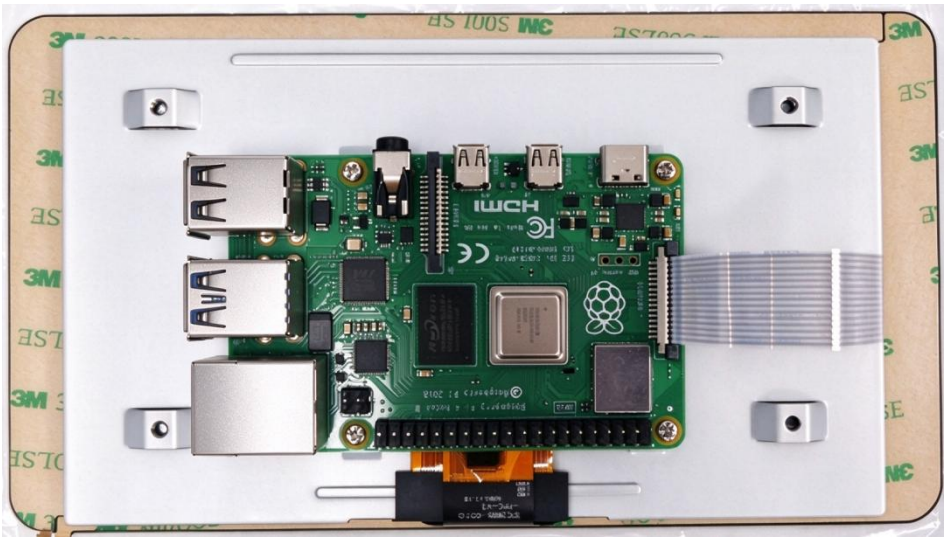




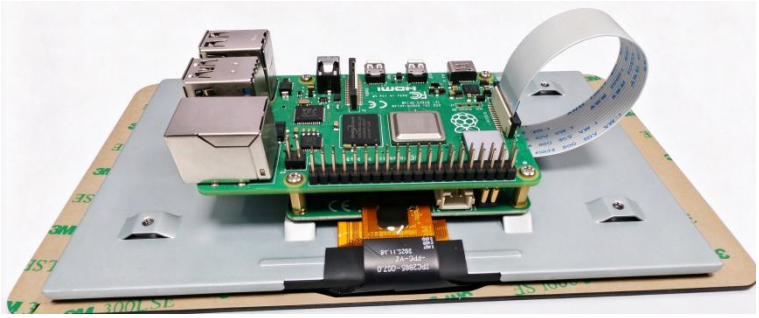
Connect the Ethernet cable and power cable to the Raspberry Pi.

Method 2:

First, connect the Raspberry Pi to the interface on the circuit board.



Next, screw the Raspberry Pi copper pin into the corresponding hole on the circuit board; ensure that the header pins and the terminal pins are in the same position.



3.2. Operate the software system

3.2.1. Download the latest optical image

1) Download the latest official Raspberry Pi OS image

Download URL：https://www.raspberrypi.com/software/operating-systems/

user name ： **pi** password：**raspberry**

2) Download the latest official Ubuntu Mate image

Download URL：https://ubuntu-mate.org/download/

The username and password can be configured manually after the system boots.

3) Download the latest official Kali system

Download URL：https://www.offensive-security.com/kali-linux-arm-images/

Username: kali (the old version was root) Password: kali (the old version wastoor)

3.2.2. Flash the official image

1) Download and install the utility software (if it has already been installed, this step can be skipped).

SD Formatter download URL for SD card formatting software

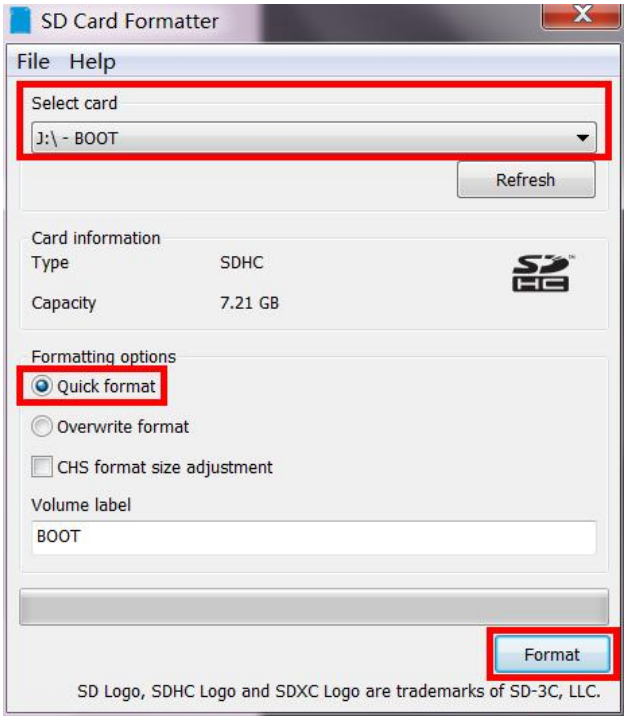
https://www.sdcard.org/downloads/formatter_4/

Download URL for Win32DiskImager mirror flashing software

https://sourceforge.net/projects/win32diskimager/

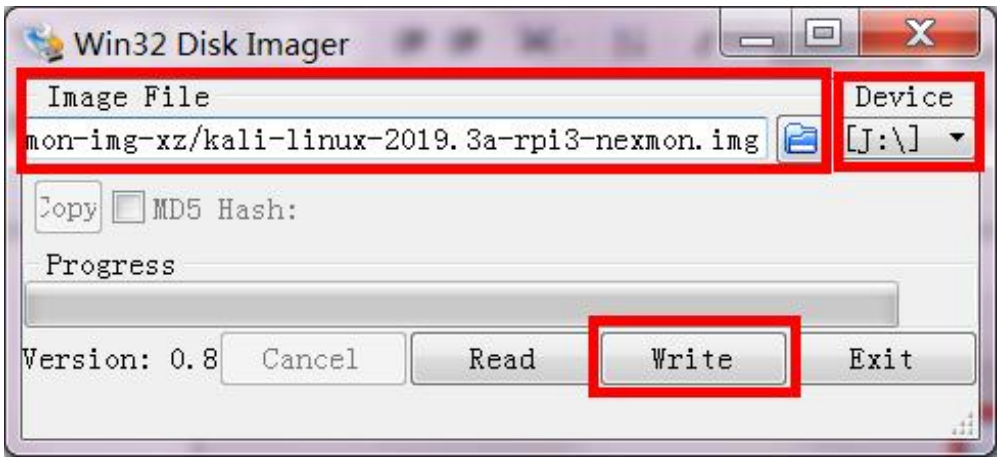
2) Format the SD card

Insert the SD card into the card reader → Insert the card reader into the computer → Open the SDFormatter software → Select the SD card → Select Quick Format (Quick Format is generally selected; choose other options according to your needs) → Click the Format button → Select "Yes" → After formatting is complete, click OK



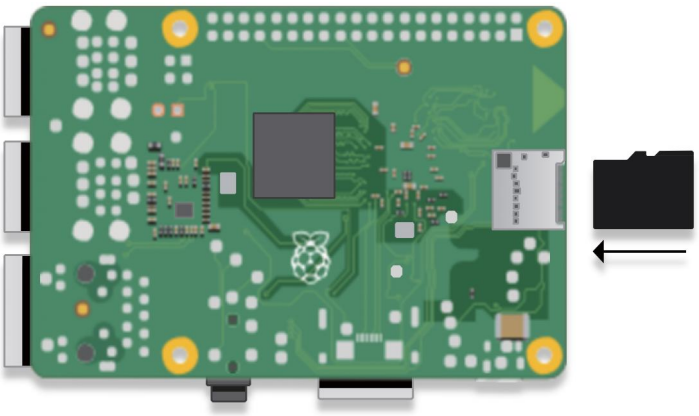
3) Burn image

Open the Win32DiskImager software → Select the image file to be written (xxx.img) → Select the SD card → Click the "write" button → Select "Yes" → Wait for the write operation to complete (the entire process takes approximately 10–15 minutes).



3.2.3. Insert the SD card

Once all the above steps have been completed, pop out the SD card from your computer and insert it into the SD card slot on the back of the Raspberry Pi.



3.2.4. operating system,production system,run time system

After connecting the Raspberry Pi to the display module, power on the Raspberry Pi; you will see that the display outputs an image and responds normally to touch input.

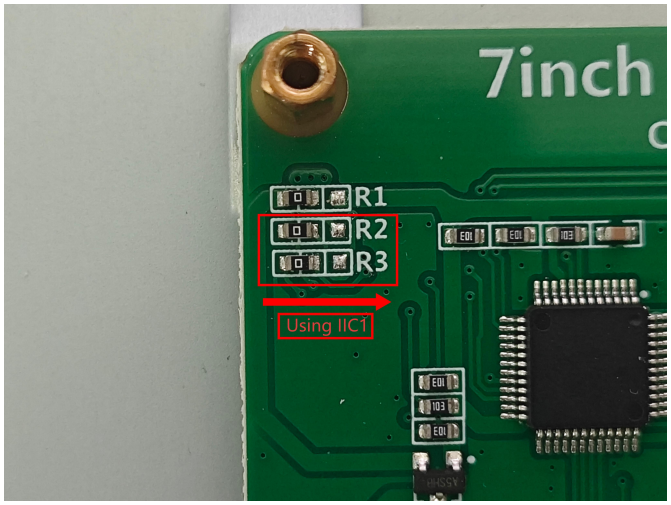
3.3. Modify the IIC interface

The default interface for IIC is 0; if you wish to change the interface to 1

Then move the resistor connected to SDA0 to SDA1.

Move the resistor connected to SCL0 to SCL1.

The IIC interface can then be modified.



4. Safety Precautions

4.1. Safe use of power supplies

- Do not use damaged power cords, plugs, or loose power outlets.
- Do not touch the power plug with wet hands.
- Do not allow any object to press against or enclose the power cord.
- When the power cord will not be monitored for an extended period, please unplug it.
- Please fully insert the power plug to prevent it from becoming loose.

4.2. Securely place the product

- Do not place the product near heat sources.
- Do not place the product with the front side facing downward.
- Do not place the product on an unstable or vibrating surface (unstable shelving, sloped surfaces, etc.).

- Please do not place the monitor in a damp environment.

4.3. Cleaning products

Please clean the product according to the following steps.

- 1）Power off the device and the computer
- 2）Unplug the product power cord

  Please hold the power cord plug and unplug the power cord; be careful not to unplug it with wet hands, as this may cause electric shock.

- 3）Please wipe the display screen with a clean, soft, and dry cloth.

  Do not use cleaners containing alcohol, solvents, or surfactants to wipe the display screen.

  Do not spray water or cleaning agents directly onto the product.

- 4）Soak a soft, dry cloth in water, wring it thoroughly, and then clean the exterior of the product.
- 5）After cleaning is complete, connect the product to the power cord.
- 6）Turn on the power of the product and the computer.