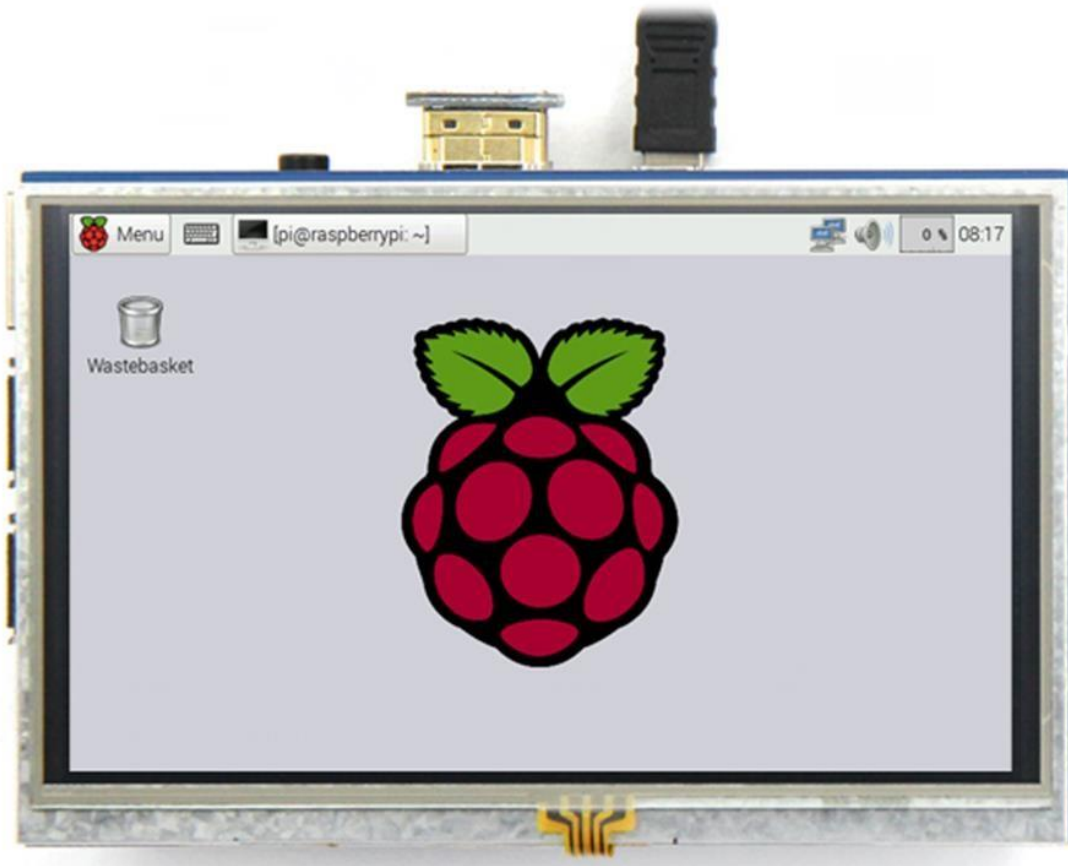


# 5inch HDMI Display

## User Manual



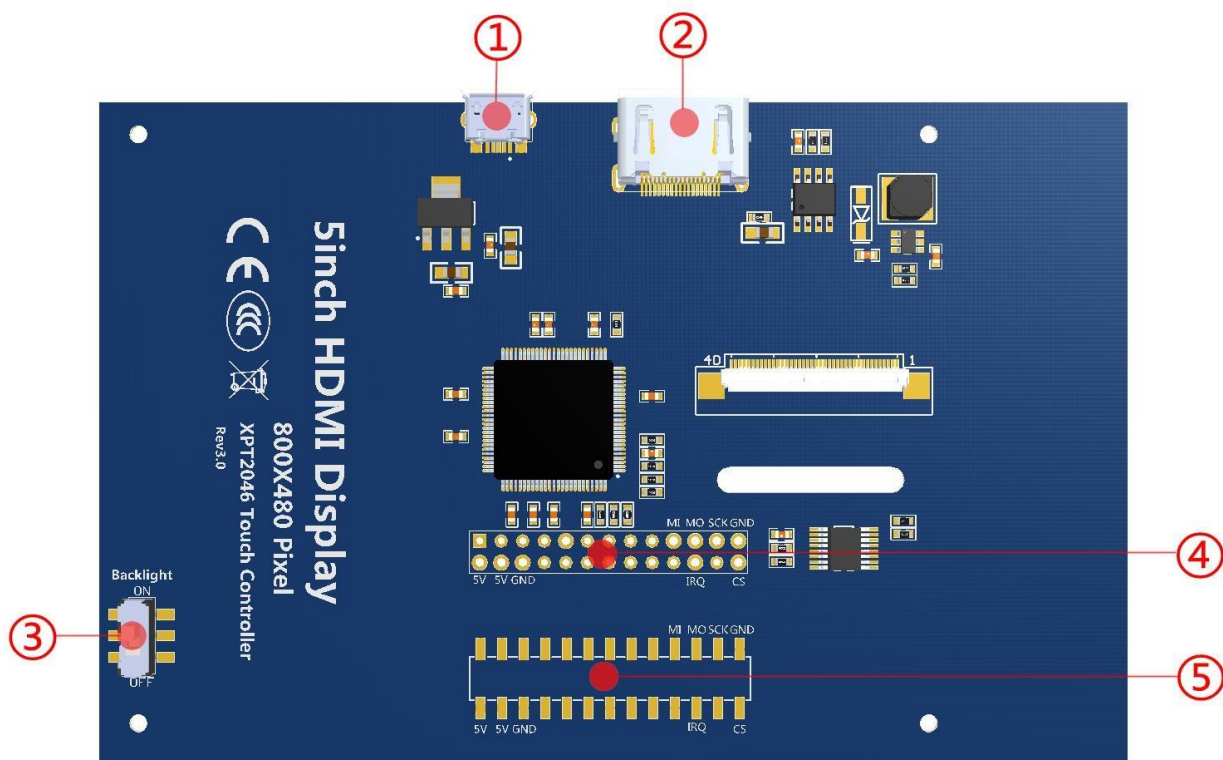
### product description

- ◆ 5" standard display, 800 × 480 resolution
- ◆ With resistive touch screen, support touch control
- ◆ support backlight control alone, the backlight can be turned off to save power
- ◆ supports standard HDMI interface input, compatible with and can be directly inserted with Raspberry Pi (3rd, 2nd, and 1st generation)
- ◆ can be used as general-purpose-use HDMI monitor, for example: connect with a computer HDMI as the sub-display (resolution need to be able to force output for 800 x480)
- ◆ used as a Raspberry Pi display that supports Raspbian, Ubuntu, Kodi, Win10 IOT(resistive touch)
- ◆ work as a PC monitor, support XP, Windows 7, 8, 10 (does not support touch)
- ◆ CE, RoHS certification

## 【Product Parameters】

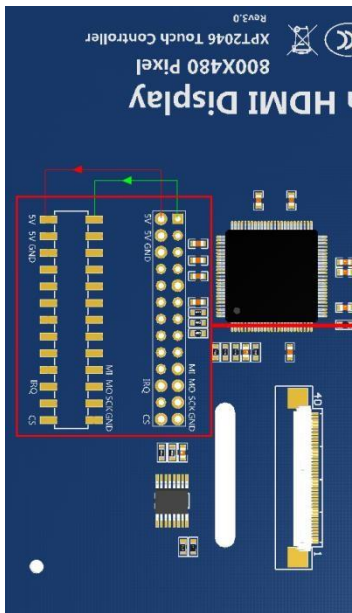
- ◆ Size: 5.0(inch)
- ◆ Resolution: 800×480(dots)
- ◆ Touch: 4-wire resistive touch
- ◆ Dimensions: 121.11\*77.93(mm) ◆ Weight: 175(g)

## 【Hardware Description】



- ① USB interface : Get 5V Power from USB, if ④-13\*2 Pin Socket has been connected, that this USB interface can be No Connect.
- ② HDMI interface : For HDMI transmission.
- ③ Backlight Power switch : Controls the backlight turned on and off to save power.
- ④ 13\*2 Pin Socket : Get 5V Power from raspberry Pi to LCD, at the same time transfer touch signal back to raspberry Pi.
- ⑤ extended interface : extended The ④-13\*2 Pin Socket signal Pin-to-Pin.

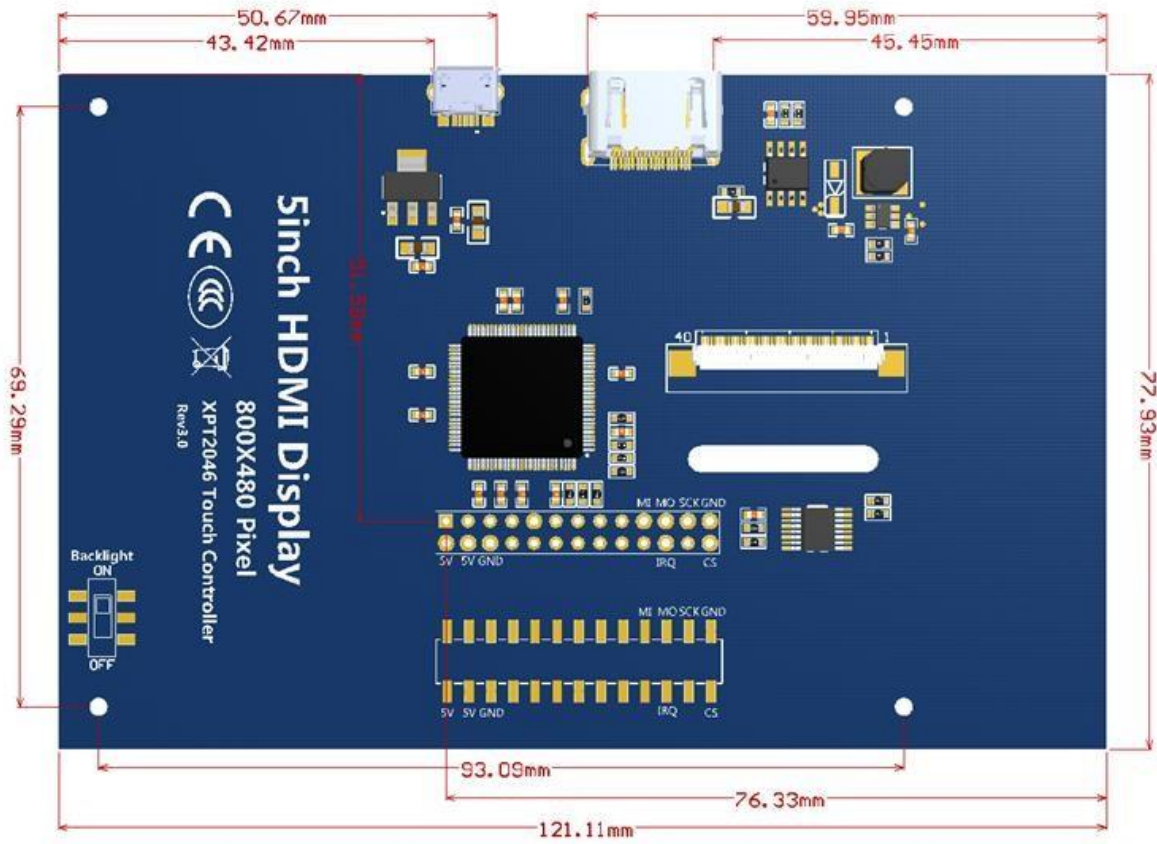
Pin Map



Description	Pin	NO.	NO.	Pin	Description
Power input(5V)	5V	2	1	3.3V	NC
Power input(5V)	5V	4	3	SDA	NC
Power GND	GND	6	5	SCL	NC
NC	TX	8	7	P7	NC
NC	RX	10	9	GND	Power GND
NC	P1	12	11	P0	NC
Power GND	GND	14	13	P2	NC
NC	P4	16	15	P3	NC
NC	P5	18	17	3.3V	NC
Power GND	GND	20	19	MI	TP SPI Bus input(MOSI)
TP Interrupt	IRQ	22	21	MO	TP SPI Bus output(MISO)
NC	CE0	24	23	SCK	TP SPI Bus Clock(SCLK)
TP Chip Select	TCS	26	25	GND	Power GND

- 1)"NC" means No Connected, The Pins "NC" do not used by this LCD.
- 2)IF only used for display(without touch), you can let this 13\*2 Pin to be free, just connect USB and HDMI signal to make it display.
- 3) 13\*2 Pin signals all extended for User.

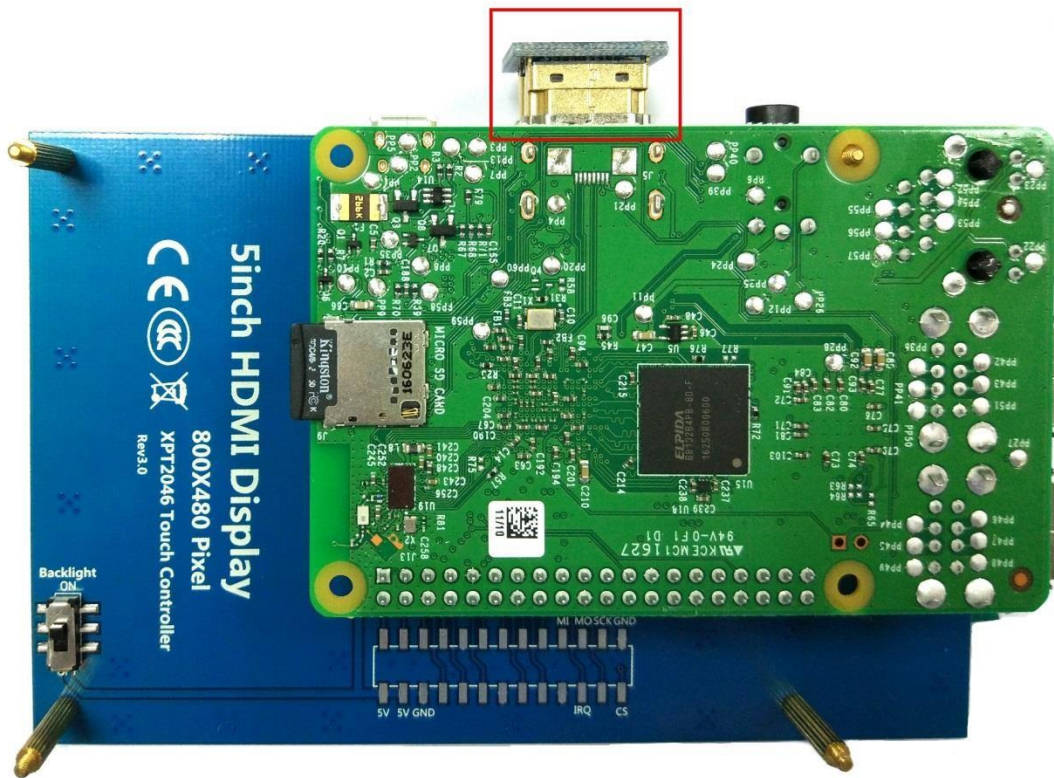
**Dimensions**



**Connect with Raspberry Pi**



1) Connect The LCD 13\*2 Pin socket to Raspberry Pi as the Picture show above.



2) Connect The LCD and Raspberry Pi with the HDMI adapter.

[How to use with Raspbian & Ubuntu Mate]

## ◆ Step 1, Install Raspbian or UbuntuMate official image

- 1) Download from the official website: <https://www.raspberrypi.org/downloads/> Or <https://ubuntu-mate.org/download/>
- 2) Format TF card by SDFormatter
- 3) Burn the official image into TF card by using Win32DiskImager.

## ◆ Step 2, Install Driver

### Method 1: online installation (raspberry Pi need to connect to the Internet)

- 1) Log onto the Raspberry Pi by Putty SSH (User: pi; Password: raspberry)
- 2) Execute the following command (you can click the right mouse button to paste after copied in Putty)

```
git clone https://github.com/goodtft/LCD-show.git
chmod -R 755 LCD-show
cd LCD-show/ sudo
./LCD5-show
```

- 3) Wait for a moment after executing , then you can use the corresponding raspberry LCD.

### Method 2: offline installation

- 1) Scan the qr code on the right side Or copied the "LCD - show - 160701. The tar. gz" drive from DVD to raspberry Pi system card root directory;(Suggestion: copy flash driver directly to TF card after completion of Step 1, or copy by SFTP or other methods for remote copy).
- 2) Unzip and extract drive files as the following command:

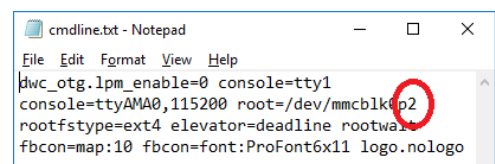


```
cd /boot
sudo tar zxvf LCD-show-160701.tar.gz
cd LCD-show/ sudo ./LCD5-show
```

- 3) Wait for a moment after executing, then you can use the corresponding raspberry LCD.

## 【Kernel Panic Error】

Kernel Panic Error is occurring on boot, typically with a NOOBS installation. If this is the case, remove the SD card from the Pi, and place it in another computer. Find the volume labelled 'boot', and edit the cmdline.txt file, and change the '2' circled at right into a '7', save the file and then reinsert into Pi and reboot.



## 【How to use as PC Monitor】

- ◆ Connected the computer HDMI output to the LCD HDMI interface by HDMI cable.
- ◆ Connected the LCD MicroUSB to computer's USB port by USB cable.
- ◆ If you have multiple monitors, please pull the other displayer, and make this LCD as the only displayer for testing.
- ◆ As computer monitors, the touch function will not be available.