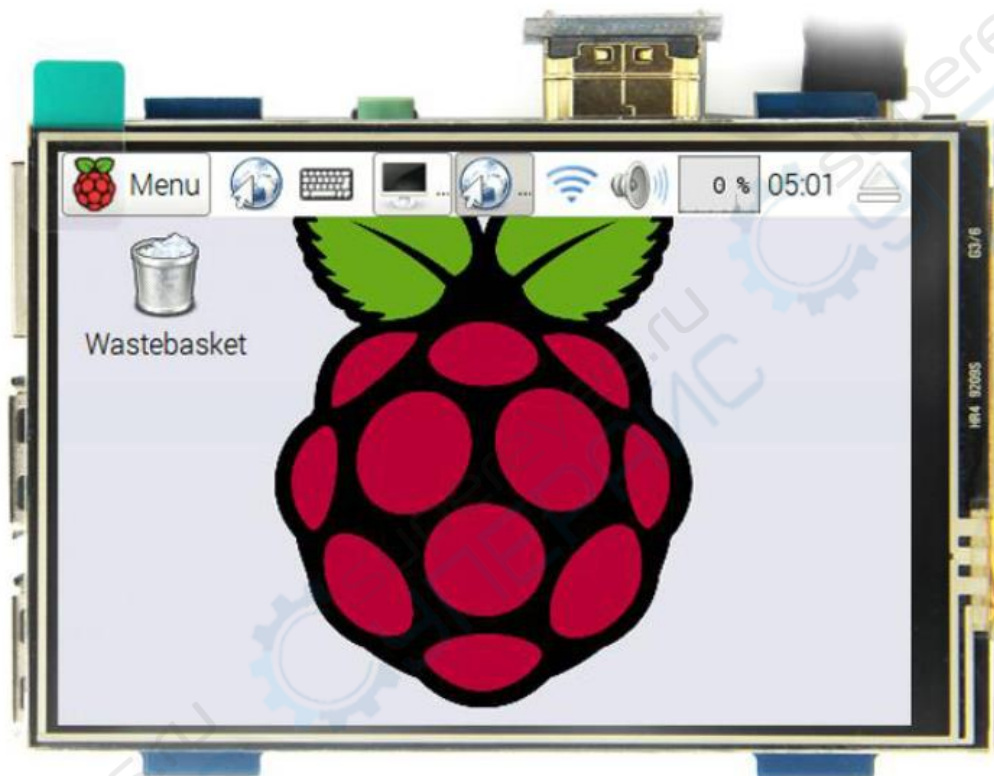


3.5inch HDMI Display-B

MPI3508

User Manual



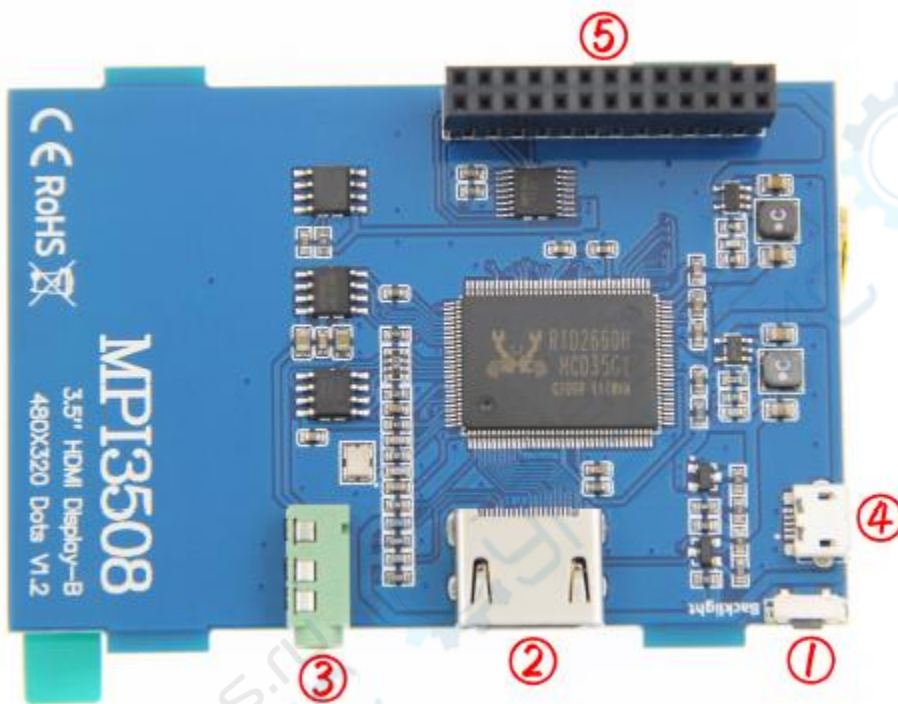
【Product Description】

- ◆ 3.5" standard display, 480 × 320 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 480 x320)
- ◆ Used as a Raspberry Pi display that supports Raspbian, Ubuntu, Kodi, win10 IOT(resistive touch)
- ◆ Work as a PC monitor, support XP, win7, win8, win10 system(do not support touch)
- ◆ CE, RoHS certification

【Product Parameters】

- ◆ Size: 3.5(inch)
- ◆ SKU: MPI3508
- ◆ Resolution: 480×320(dots)
- ◆ Touch: 4-wire resistive touch
- ◆ Dimensions: 85.51x60.60 (mm)
- ◆ Weight: Net Weight 55(g), Gross Weight 135(g)

【Hardware Description】



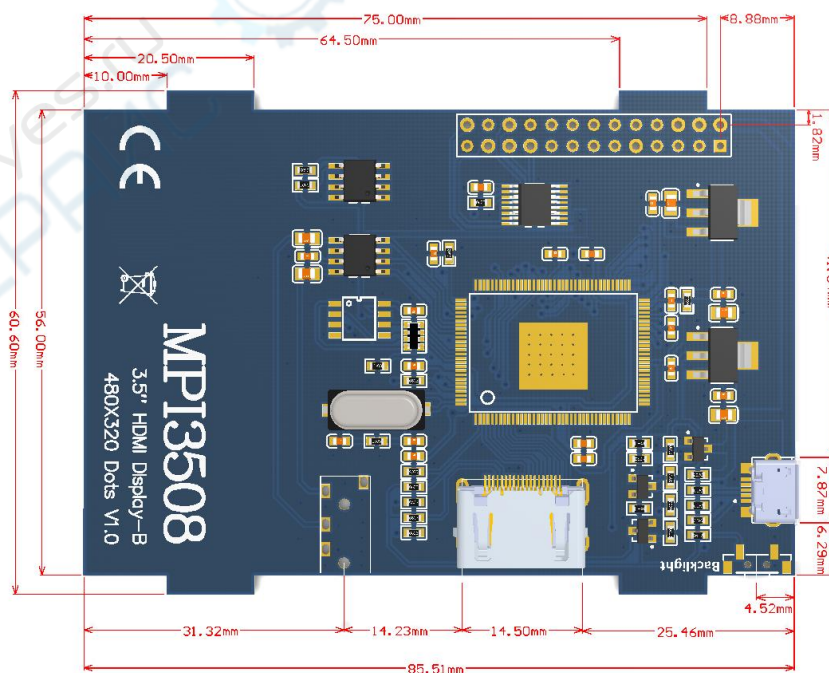
- ① Backlight adjustment button: Short press backlight change 10%, long press 3 seconds to close backlight
- ② HDMI interface: For connecting motherboard and LCD monitor
- ③ Earphone: Earphone socket
- ④ Micro USB: For power supply
- ⑤ 13*2 Pin Socket: Get 5V Power from raspberry Pi to LCD, at the same time transfer touch signal back to Raspberry Pi.

instruction	PIN	PIN	instruction
VCC 5V	2	1	NC
VCC 5V	4	3	NC
GND	6	5	NC
NC	8	7	NC
NC	10	9	GND
NC	12	11	NC
GND	14	13	NC
NC	16	15	NC
NC	18	17	NC
GND	20	19	TP_MOSI
TP_IRQ	22	21	TP_MISO
NC	24	23	TP_SCLK
TP_CS	26	25	GND

MPI3508
3.5" HDMI Display-B
480X320 Dots V1.2

CE RoHS

【Dimensions】



【Connect with Raspberry Pi】

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



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**)

```
sudo rm -rf LCD-show
git clone https://github.com/goodtft/LCD-show.git
chmod -R 755 LCD-show
cd LCD-show/
sudo ./MPI3508-show
```

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

Method 2: offline installation

Extract from the companion DVD or Download from the following address

<http://www.lcdwiki.com/res/RaspDriver/LCD-show.tar.gz>

- 1) Copy the **LCD-show.tar.gz** drive to the **Raspberry Pi** system root directory
(Suggestion: Copy the **LCD-show.tar.gz** driver directly to Micro SD 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.tar.gz
cd LCD-show/
sudo ./MPI3508-show
```

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

【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.

