

5inch HDMI Display-B

User Manual



TOP



Bottom

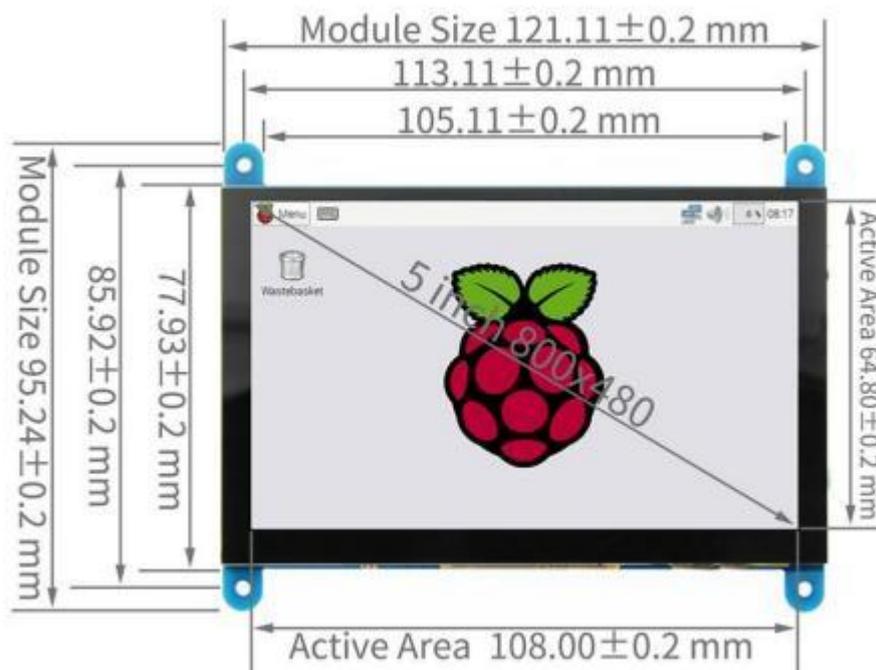
【Product Description】

- ◆ 5" standard display, 800x480 resolution, maximum HDMI resolution 1920X1080 is supported
- ◆ Capacitive touch screen, support 5 point touch maximum
- ◆ Built-in OSD menu adjustment function (adjustable Contrast/ Brightness/Saturation, etc.)
- ◆ It is compatible with mainstream mini PC such as **Raspberry Pi, BB Black, Banana Pi**
- ◆ It can also be used as a general-purpose HDMI display, connecting computers, TV boxes, Microsoft Xbox360, SONY PS4, Nintendo Switch and so on
- ◆ Used as a **Raspberry Pi** display that supports **Raspbian, Ubuntu, Kodi, Win10 IOT**, single-touch, free drive
- ◆ Work as a PC monitor, support **Win7, Win8, Win10** system 5 point touch (**XP** and older version system: single-point touch), free drive
- ◆ Support HDMI audio output
- ◆ **CE, RoHS** certification

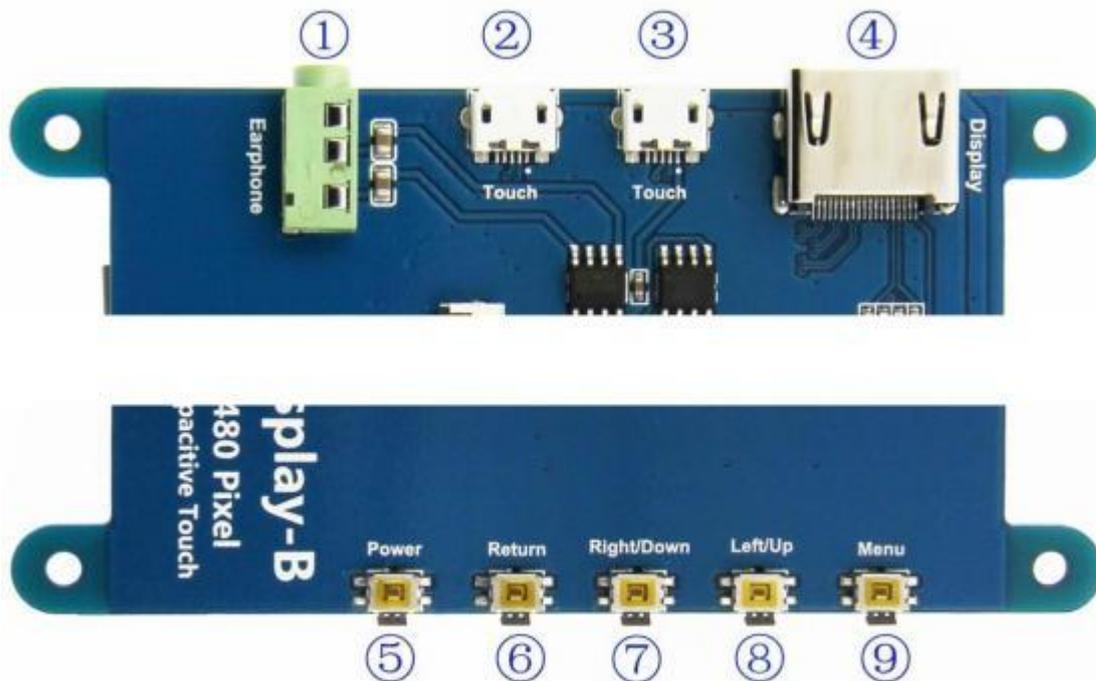
【Product Parameters】

- ◆ Size: 5.0(inch)
- ◆ SKU: DS20195
- ◆ Resolution: 800 × 480(dots)
- ◆ Touch: 5 point capacitive touch
- ◆ Audio output: Support
- ◆ Active Area: 108.00*64.80 (mm)
- ◆ Dimensions: 121.11*95.24 (mm)
- ◆ Rough Weight(Package containing): 259 (g)

【Product Size】



【Hardware Description】



- ① Earphone: 3.5mm Audio output interface
- ②&③Touch: USB connector (For power supply and touch output, the functions of the both are the same, can just use one of them)
- ④ Display: HDMI interface (For connecting motherboard and LCD monitor)
- ⑤ Power: Controls the backlight turned on and off to save power
- ⑥ Return: Return (Only valid in the OSD Settings menu)
- ⑦ Right/Down: Direction Right/Down (Backlight shortcut key)
- ⑧ Left/Up: Direction Left/Up (Backlight shortcut key)
- ⑨ Menu: Open the OSD / Select key (Only valid in the OSD Settings menu)

【How to use with Raspberry Pi OS】

- ◆ Step 1, Install Raspberry Pi OS image
 - 1) Download the latest image from the official download.
 - 2) Install the system according to the official tutorial steps.
- ◆ Step 2, Modify the "config.txt"
 - 1) After the programming of **Step 1** is completed, open the "**config.txt**" file of Micro SD Card root directory, Find

```
dtoverlay=vc4-kms-v3d
```

and change it to:

```
dtoverlay=vc4-fkms-v3d
```

2) Add the following code at the end of the file "**config.txt**", save and eject Micro SD Card safely:

```
max_usb_current=1
hdmi_force_hotplug=1
config_hdmi_boost=7
hdmi_group=2
hdmi_mode=1
hdmi_mode= 8 7
hdmi_drive=2
hdmi_cvt 800 480 60 6 0 0 0
```

```
# Enable DRM VC4 V3D driver
dtoverlay=vc4-fkms-v3d
max_framebuffers=2

# Disable compensation for displays with overscan
disable_overscan=1

[cm4]
# Enable host mode on the 2711 built-in XHCI USB controller.
# This line should be removed if the legacy DWC2 controller is required
# (e.g. for USB device mode) or if USB support is not required.
otg_mode=1

[all]

[pi4]
# Run as fast as firmware / board allows
arm_boost=1

[all]
```

```
hdmi_force_edid_audio=1
max_usb_current=1
hdmi_force_hotplug=1
config_hdmi_boost=7
hdmi_group=2
hdmi_mode=87
hdmi_drive=2
hdmi_cvt 800 480 60 6 0 0 0
```

- ◆ Step 3, Insert the Micro SD Card to **Raspberry Pi**, connect the **Raspberry Pi** and LCD by HDMI cable; connect USB cable to one of the four USB ports of **Raspberry Pi**, and connect the other end

of the USB cable to the USB port of the LCD; then supply power to **Raspberry Pi**; after that if the display and touch both are OK, it means drive successfully.

【How to rotate display direction】

- ◆ **Step 1**, If the driver is not installed, execute the following command (Raspberry Pi needs to be connected to the Internet):

```
sudo rm -rf LCD-show
git clone https://github.com/goodtft/LCD-show.git
chmod -R 755 LCD-show
cd LCD-show/
sudo ./MPI5001-show
```

After execution, the driver will be installed.

- ◆ **Step 2**, If the driver is already installed, execute the following command:

```
cd LCD-show/
sudo ./rotate.sh 90
```

After execution, the system will automatically restart, and the display screen will rotate 90 degrees to display and touch normally.

('90 ' can be changed to 0, 90, 180 and 270, respectively representing rotation angles of 0 degrees, 90 degrees, 180 degrees, 270 degrees)

If the 'rotate.sh' prompt cannot be found, Back to **Step 1** to install the latest drivers.

【How to use as PC monitor】

- ◆ connect the computer HDMI output signal to the LCD HDMI interface by using the HDMI cable
- ◆ Connect the LCD's USB Touch interface (Either of the two Micro-USB) to the USB port of the device
- ◆ If there are several monitors, please unplug other monitor connectors first, and use LCD as the only monitor for testing.