

7inch HDMI Display-EM713

User Manual



7"IPS screen



1024*600

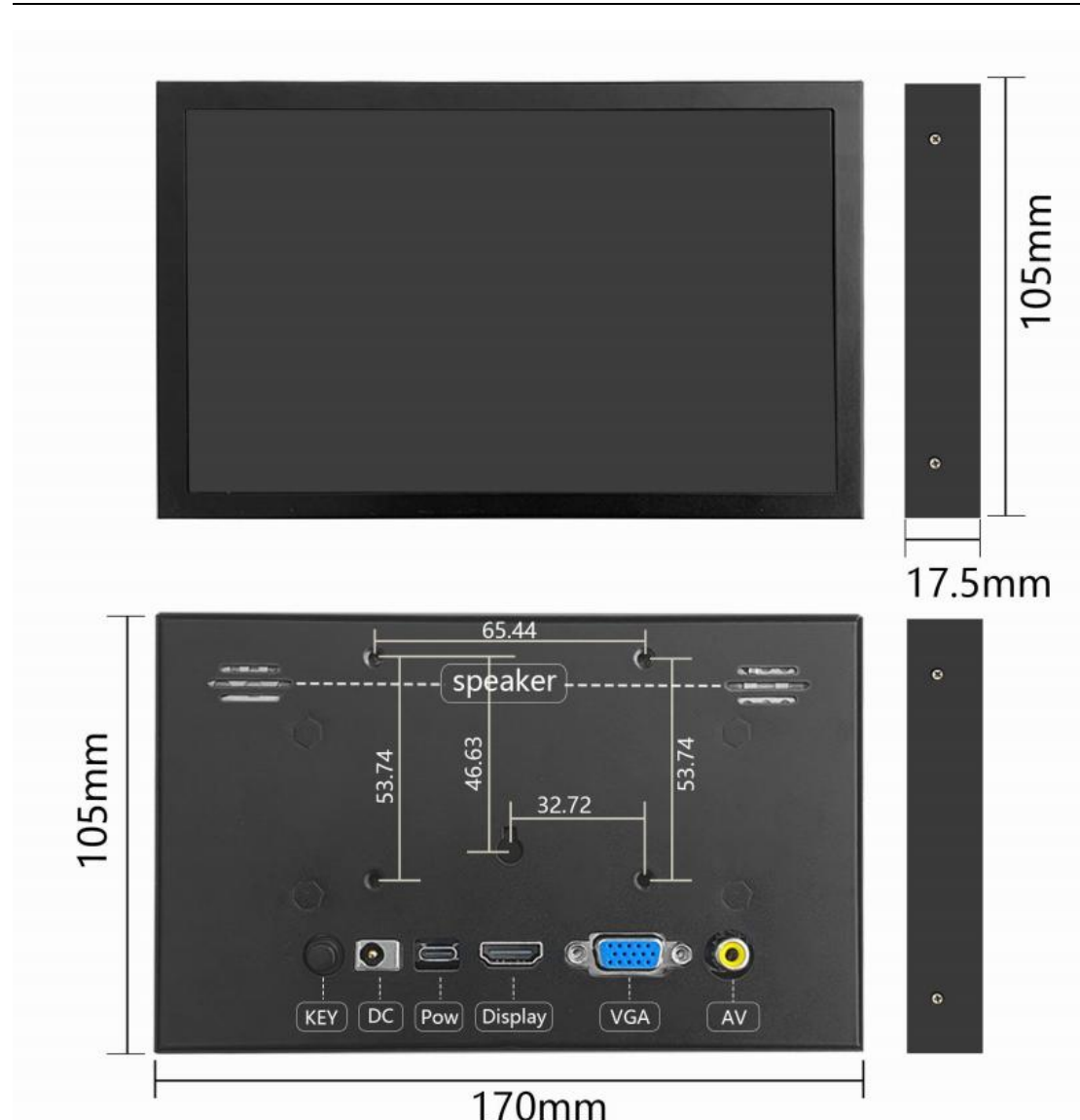
【Product description】

- 7.0 inch standard display, 1024 × 600 Hardware resolution, Up to 1920x1080 Software configuration resolution.
- Support backlight control alone, the backlight can be turned off to save power.
- Support Raspberry Pi, BB Black, Banana Pi and other mainstream mini PC.
- Can be used as general-purpose-use HDMI monitor, for example: connect with a computer HDMI as the sub-display .
- Used as a raspberry pi display that supports Raspbian, Ubuntu, Kali-Linux, Kodi, win10 IOT, single-touch, free drive.
- Work as a PC monitor, support win7, win8, win10 system
- CE, RoHS certification.

【Product Parameters】

- Size: 7.0 (inch)
- Resolution: 1024 × 600 (dots)
- SKU:EM713

【Hardware Description】



Four screw holes compatible with M4 screws

【How to use with Raspbian/Ubuntu Mate/Win10 IoT Core System】

● Step 1, Install Raspbian official 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"

After the programming of Step 1 is completed, open the config.txt file of Micro SD Card root directory and add the following code at the end of the file, save and eject Micro SD Card safely:

```
max_usb_current=1
```

```
hdmi_force_hotplug=1

config_hdmi_boost=10

hdmi_group=2

hdmi_mode=87

hdmi_cvt 1024 600 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 (please use the full 2A for power supply).

★ How to rotate display direction:

1. Open the "config.txt" file (the "config.txt" file is located in /boot):

```
sudo nano /boot/config.txt
```

2. Add the statement in the "config.txt" file, press Ctrl+X to exit, press Y to save.

```
display_rotate=1 #0: 0; 1: 90; 2: 180; 3: 270
```

3. Restart the Raspberry Pi after saving.

```
sudo reboot
```

5. Restar your **Raspberry Pi**

```
sudo reboot
```

Complete the above steps for a 90 degree rotation.

Note:

0 degrees of rotation parameters: Option "CalibrationMatrix" "1 0 0 0 1 0 0 0 1"

90 degrees of rotation parameters: Option "CalibrationMatrix" "0 1 0 0 -1 1 0 0 1"

180 degrees of rotation parameters: Option "CalibrationMatrix" "-1 0 1 0 -1 1 0 0 1"

270 degrees of rotation parameters: Option "CalibrationMatrix" "0 -1 1 1 0 0 0 0"

【How to use as PC monitor】

- Connect the computer HDMI output signal to the LCD HDMI interface by using the HDMI cable.

- If there are several monitors, please unplug other monitor connectors first, and use LCD as the only monitor for testing.