

### 3.5 Inch TFT LCD Display for Raspberry Pi



This 3.5 inch resistive touch screen can be directly inserted into any version of the Raspberry Pi (Raspberry Pi zero, zero w, a, A+, b, B+, 2B, 3B, 3B+,4B)

This Touch screen Support for Raspbian/Ubuntu/Kali/RETROPIE systems, We provide drivers and image freely. (Please scan the QR code on the instruction to download it)

The Raspberry Pi screen can work with fbcp software driver, you can adjust the resolution by the software (The RPI screen original resolution is 320×480)

The Raspberry Pi Display support 125MHz SPI signal input, It can display stable without Flicker. When it work with Raspberry Pi, the refresh rate is about 50fps, it is enough to play the video and game

**Spec:**

- LCD Type: TFT
- LCD interface: SPI (supports up to 125MHz SPI input)
- touch screen type: resistive> touch screen controller: xpt2046
- colors: 65536
- resolution: 320\*480 (pixel)
- power consumption: 120mA> working temperature (°C) : -20~70

**Package contains:**

- 1x 3.5 inch LCD for Raspberry Pi
- 1x Stylus

**FEATURES**

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- 1. Pin inserted;
- 2. Support plug and play and touch control;  
(when the motherboard is running, you can insert the monitor at any time)
- 3. Spi speed: 32MHZ, fast;
- 4. Support automatic installation
- 5. Designed for Raspberry Pi, an ideal alternative to an HDMI monitor
- 6. Compatible with Raspberry Pi models 4B, 3B+, 3, 2, Zero W, Zero
- 7. 320\*480 screen resolution
- 8. Convenient interface for the Raspberry Pi; combined with the portable power, DIY anywhere anytime
- 9. Comes with stylus
- 10. Supports Raspbian OS, and enables your system to:
- 11. Play videos (supports multi formats, MP4 and so on)
- 12. Take photos by touching (up to 17 camera modes)
- 13. Support software keyboard (system interaction without keyboard/mouse)
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- A. Fast way, using the compiled file rpi\_35\_v6\_3\_stretch\_kernel\_4\_15\_18.rar in the network disk, extract and directly burn to sd card.
- B. Use the drive in the network disk.
- 1. Burn your own mirror files to SD card and boot Raspberry Pi
- 2. Ensure the normal network connection
- 3. Properly connect the LCD screen with the raspberry PI development board
- 4. Copy the network drive to the raspberry PI (using SSH or u-disk media mount)

- 5. Unzip the file and start the installation.
- Modify permission `sudo chmod 777 lcd_show_v6_1_3.tar.gz`
- Extract the file `tar-xzvf lcd_show_v6_1_3.tar.gz`
- Jump to the folder `CD LCD_show_v6_1_3`
- Update system (optional) `sudo apt-get update` first
- Backup data `sudo. /LCD_backup`
- Install driver `sudo. /LCD35_v`
- After a while the system will install the driver and automatically restart
- Switch back to HDMI interface `sudo. /LCD_hdmi`
- If you want to restore the pre-installation system, use `sudo. /LCD_restore`
- Note: before you update your system, you must use this command `sudo apt-mark hold raspberrypi-kernel`.
- And then using the command,
- `Sudo apt` to get the update
- `Sudo apt - get` the upgrade
- `Sudo apt-get dist-upgrade` (this command is not recommended; the update is new but may not be secure)
- Otherwise the restart may fail
- C. Go to the network disk to download the patch by yourself, the kernel version is 4.15.18, you can compare with which kernel at your own will, add your own upper layer application protocol or the underlying kernel driver, and let you develop your own ability!
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- Pin definition:
- 1----> 3v
- 2----> 5v
- 3----> NC
- 4----> 5V
- 19----> MOSI
- 20----> GND
- 21----> MISO
- 22----> TP\_IRQ
- 23----> SCLK
- 24----> TP\_CS
- 25----> GND
- 26----> LCD\_CS
- Others are NC !