



## 5.83" 600×448 ePaper Display HAT für Raspberry Pi, dreifarbig (rot, schwarz, weiß)



|                  |                |
|------------------|----------------|
| Artikel-Nr.:     | 3C-RPI-EINK583 |
| Hersteller:      | Waveshare      |
| Herkunftsland:   | China          |
| Zolltarifnummer: | 84733080       |
| Gewicht:         | 0.143 kg       |



### Overview

This is an E-Ink display HAT for Raspberry Pi, 5.83inch, 600x448 resolution, with embedded controller, communicating via SPI interface, supports red, black, and white three-color display.

Due to the advantages like ultra low power consumption, wide viewing angle, clear display without electricity, it is an ideal choice for applications such as shelf label, industrial instrument, and so on.

### Features

No backlight, keeps displaying last content for a long time even when power down

Ultra low power consumption, basically power is only required for refreshing

Compatible with Raspberry Pi Zero/Zero W/Zero WH/2B/3B/3B+

SPI interface, for connecting with other controller boards like Raspberry/Arduino/Nucleo, etc.

Comes with development resources and manual (examples for Raspberry Pi/Arduino/STM32)

### Specifications

- Operating voltage: 3.3V~5V
- Interface: SPI
- Outline dimension: 125.40mm × 99.50mm
- Display size: 118.80mm × 88.26mm
- Dot pitch: 0.198 × 0.197
- Resolution: 600 × 448
- Display color: red, black, white
- Grey level: 2
- Full refresh time: 14s
- Refresh power: 26.4mW(typ.)



- Standby power: <0.017mW
- Viewing angle: >170°
- Weight: 0.05 kg

**Interface**

| SYMBOL | DESCRIPTION                                             |
|--------|---------------------------------------------------------|
| VCC    | 3.3V~5V                                                 |
| GND    | Ground                                                  |
| DIN    | SPI MOSI pin                                            |
| CLK    | SPI SCK pin                                             |
| CS     | SPI chip selection, low active                          |
| DC     | Data/Command selection (high for data, low for command) |
| RST    | External reset, low active                              |
| BUSY   | Busy status output, low active                          |

**Lieferumfang:**

- 5.83inch e-Paper (B) x1
- e-Paper Driver HAT x1
- RPi screws pack (2pcs) x1
- PH2.0 20cm 8Pin x1

Dokumentation & Downloads  
Wiki : [www.waveshare.com/wiki/5.83inch\\_e-Paper\\_HAT\\_\(B\)\\_](http://www.waveshare.com/wiki/5.83inch_e-Paper_HAT_(B)_)

**Weitere Bilder:**



