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INDUSTRIAL PRODUCT DATASHEET

Pimoroni -Non-Touch – HyperPixel 4.0 - Hi-Res Display for Raspberry Pi

HyperPixel 4.0: a high-resolution 4.0" IPS display for Raspberry Pi with 800x480 pixels, 60 FPS, and a high-speed DPI interface.

SKU	UPDATED	PRICE
104990425	2026-04-09 12:46:14	$34.50(Excl. VAT)



Overview



The HyperPixel 4.0 is a 4.0" IPS display with 800x480 pixel resolution and 18-bit colour, delivering 60 FPS via a high-speed DPI interface. It offers wide 160° viewing angles, a 500:1 contrast ratio, and includes a 40-pin header and standoffs for easy, solder-free installation on any 40-pin Raspberry Pi.

Key Features

Description

A high-resolution, high-speed 4.0" TFT display for your Raspberry Pi

HyperPixel 4.0 is the perfect way to use your Pi without a bunch of cables or a bulky display. Design your own interface to control your project, display data, or turn your Pi into a tiny media centre.This new version of HyperPixel has a gorgeous IPS display, with wide viewing angles, custom-made cover glass (on the touch version), and the alternate I2C interface is broken out for advanced users.

Note that the images of the displays on this page have not been Photoshopped. That's the Raspbian desktop with our HyperPixel wallpaper on!

Features

- High-speed DPI interface

- 4.0" IPS (wide viewing angle, 160°) display (86.4x51.8mm)

- 800x480 pixels (~235 PPI)

- 18-bit colour (262,144 colours)

- 60 FPS frame rate

- Contrast ratio: 500:1

- 40-pin female header included to boost height for Pi B+, 2, 3, 3B+

- Standoffs included to securely attach to your Pi

- Compatible with Raspberry Pi 3B+, 3, 2, B+, A+, Zero, and Zero W

- One-line installer

About the installation：

Everything comes fully-assembled, and there's no soldering required! The display is securely stuck down to the HyperPixel 4.0 PCB and connected via a neat little flush-mounting FPC cable. Just pop HyperPixel 4.0 on your Pi and run our installer to get everything set up!

Please note: when installing HyperPixel 4.0 onto your Pi make sure not to press down on the screen surface! Hold the board by its edges and wiggle it to mate with the extended header (or GPIO header).

It'll work with any 40-pin version of the Pi, including Pi Zero and Pi Zero W. If you're using it with a larger Pi like the B+, 2, or 3, 3B+, then use the extra 40-pin header that's included to boost it up to the required height. If you're using a Zero or Zero W then just pop it straight onto the GPIO.

The included standoff kit allows you to mount your HyperPixel 4.0 safely and securely to your Pi. Just screw them into the posts on the underside of the HyperPixel 4.0 PCB and then secure with screws through the mounting holes on your Pi.

Software

We've put together a one-line-installer to configure your Pi properly for HyperPixel 4.0 . Note that you'll need another display, keyboard, and mouse to install the software, or you could do it remotely over SSH if you follow our guide on how to set your Pi up headlessly.

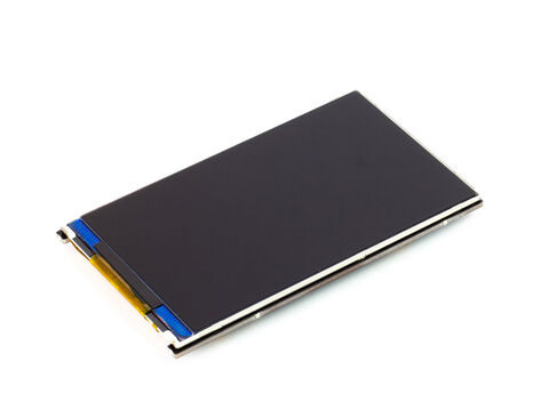
Open a terminal, and type curl **https://get.pimoroni.com/hyperpixel4** | bash to run the one-line installer and set your HyperPixel 4.0 up.

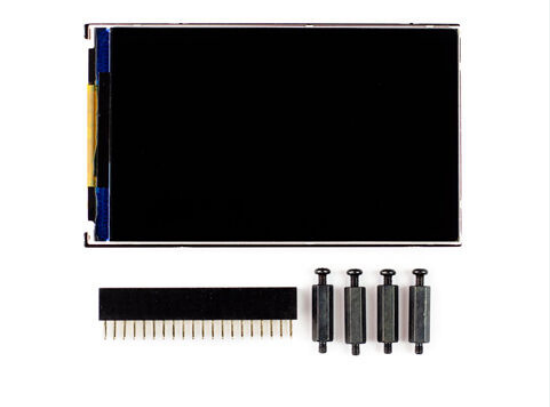
Find the GitHub repository here: **https://github.com/pimoroni/hyperpixel4**

Our software does not support Raspbian Wheezy.

Technical Details
Technical details

Product Gallery





Part List

HyperPixel 4.0 PCB and display	1
40-pin female header	1
Standoff kit with 4x metal standoffs and 4x screws	1

Compliance & Logistics



HSCODE	8528521200
USHSCODE	8531200040
EUHSCODE	8531202090
COO	UNITED KINGDOM

Resource Links

- https://www.seeedstudio.com/Pimoroni-Non-Touch-HyperPixel-4-0-Hi-Res-Display-for-Raspberry-Pi.html
- Getting Started with HyperPixel 4.0
- One-line installer
- GitHub repository

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