



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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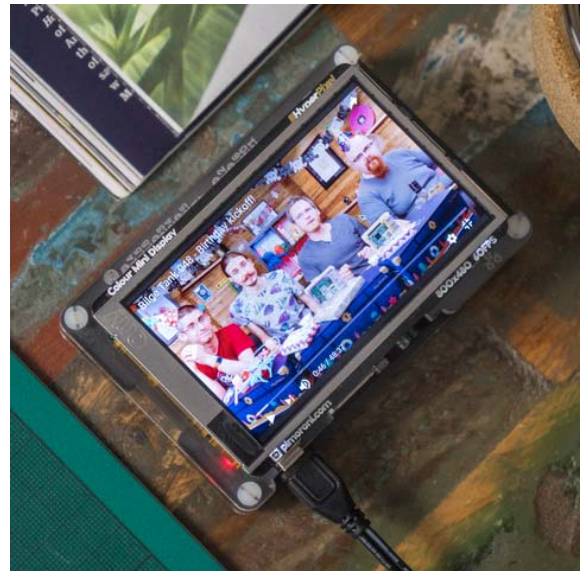
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# HyperPixel - 3.5" Hi-Res Display for Raspberry Pi

PIM297



**A high-resolution, high-speed 3.5" TFT display for your Raspberry Pi.**

HyperPixel is the perfect way to use your Pi without a bunch of cables or a bulky display. Design your own interface to control your projects or display your data, or turn your Pi into a tiny media centre.

## Features

- High-speed DPI interface
- 3.5" display (45.3x75.6mm)
- 800x480 pixels (~270 PPI)
- 18-bit colour (262,144 colours)
- 60 FPS frame rate
- Capacitive touch
- 40-pin female header included to boost height for Pi B+, 2, 3
- Compatible with Raspberry Pi 3, 2, B+, A+, Zero, and Zero W
- One-line installer

HyperPixel uses a high-speed DPI interface, allowing it to shift 5x more pixel data than the usual SPI interface that these small Pi displays use. It has a **60 FPS frame rate** and a resolution of approximately 270 pixels per inch (**800x480**) on its 3.5" display. The display can show **18-bits of colour** (262,144 colours).

It has a capacitive touch display that's more sensitive and responsive to touch than a resistive touch display, and it's **capable of multi-touch!**

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

**Please note:** when installing HyperPixel 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, 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.

## Software

We've put together a one-line-installer to configure your Pi properly for HyperPixel and to enable the touch screen on the touch version. 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.

Find the GitHub repository here: <https://github.com/pimoroni/hyperpixel>

## Notes

Dimensions: 56.5x86x10mm (WxHxD, depth includes header and display).