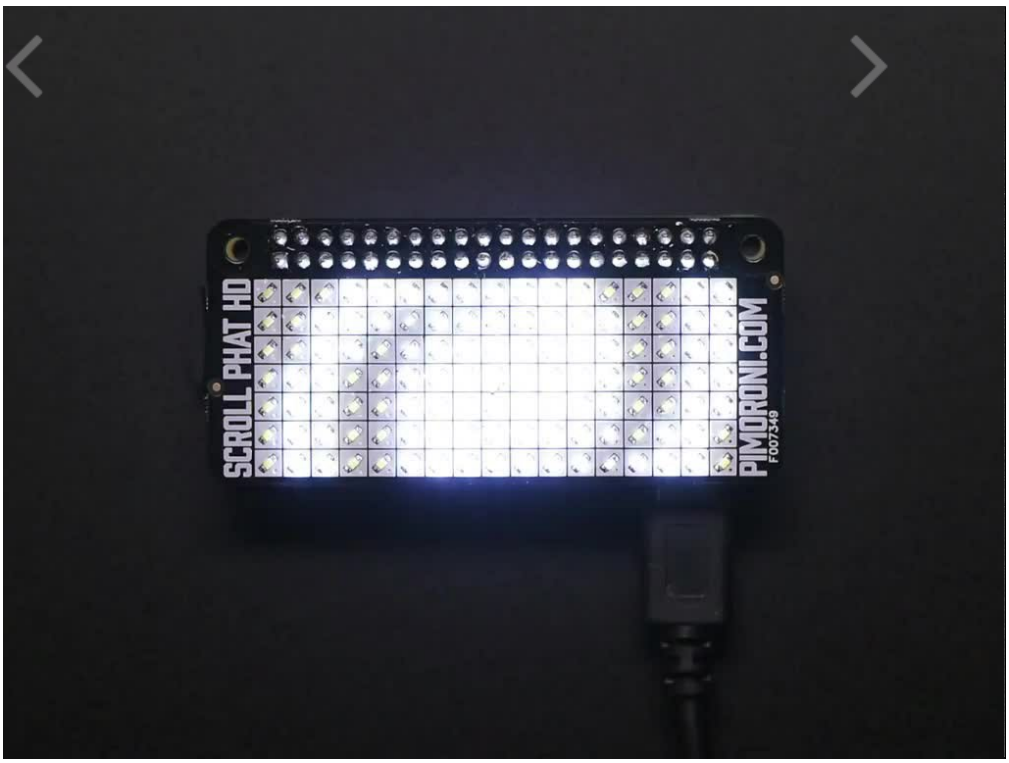














Pimoroni Scroll pHAT HD – LED Matrix for Raspberry Pi Zero

PRODUCT ID: 3473

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DESCRIPTION

TECHNICAL DETAILS

DESCRIPTION

What if Scroll pHAT had twice times as many pixels and individual pixel brightness control?

hat!!

Scroll pHAT HD packs 17x7 bright white pixels (119 total) onto a single pHAT, and gives you full PWM brightness control over each pixel. Create beautiful animations and even anti-aliased text by taking advantage of the per-pixel brightness.

Use Scroll pHAT HD as a scrolling message display for your tweets, the weather or the news, or use it as a 17-band spectrum analyzer for your audio. There's even enough pixels for simple games like Tetris, Pong, or snake.

Though designed to match the format of the Raspberry Pi Zero it is compatible with all 40-pin GPIO Raspberry Pi variants (3/2/B+/A+).

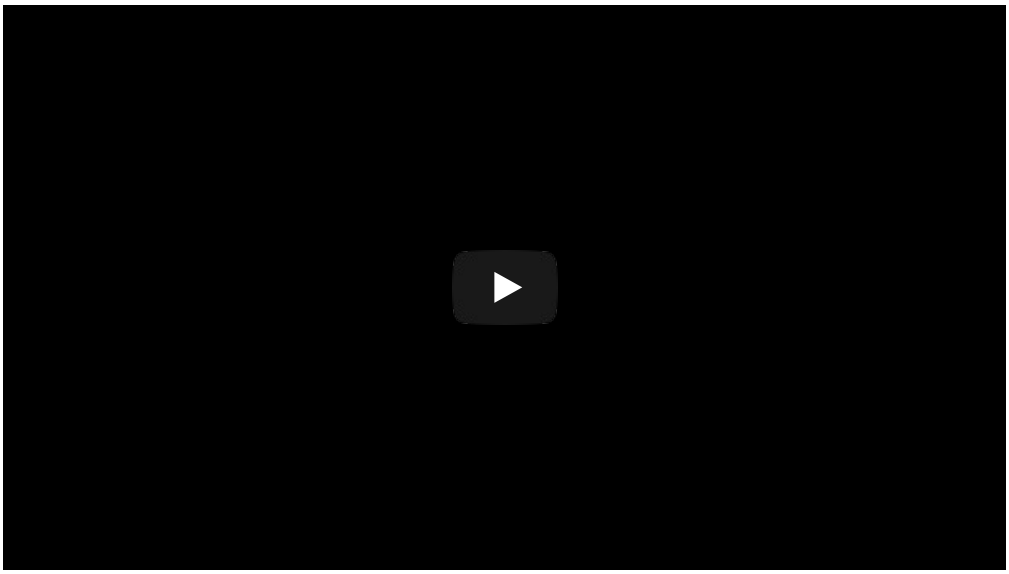
Features:

- 17x7 matrix of bright white pixels (119 total)
- Individual PWM brightness control of each pixel
- Uses the IS31FL3731 LED matrix driver chip
- Compatible with Raspberry Pi 3, 2, B+, A+, Zero, and Zero W
- Python library

Kit includes: Assembled Scroll pHAT HD PCB & 2x20 0.1" female GPIO header, **some light soldering is required** to attach the header on, or you can of course solder the pHAT right onto the Pi Zero.

Pimoroni's handy one-line installer will install the Scroll pHAT HD Python library for you. They've included a bunch of examples too, to show off what you can do with Scroll pHAT HD.

Raspberry Pi not included!



TECHNICAL DETAILS

- IS31FL3731 Datasheet
- 65mm x 30mm x 2.9mm / 2.56" x 1.18" x 0.11"
- Weight (unassembled): 6.9g

For product support, replacement parts and warranty for Pimoroni products visit the Pimoroni forum or contact Pimoroni directly.

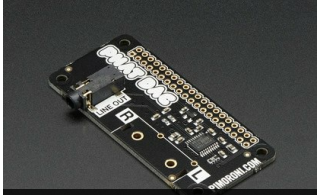
MAY WE ALSO SUGGEST...


Pimoroni Scroll pHAT - 11x5



Pimoroni Display-O-Tron


Adafruit NeoPixel NeoMatrix


Pimoroni pHAT DAC for

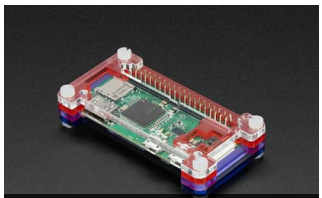

Flexible 8x32 NeoPixel RGB

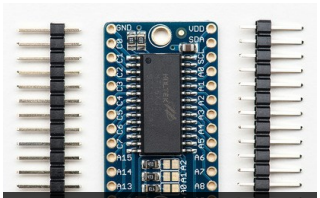

Pimoroni Unicorn pHAT -

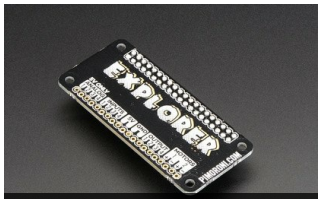

NeoPixel FeatherWing - 4x8



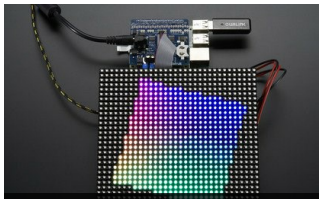
Pimoroni Micro Dot pHAT


Pibow Zero W Case for


Adafruit 16x8 LED Matrix



Pimoroni Explorer pHAT for


Adafruit RGB Matrix HAT +

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"The best way to predict the future is to invent it" - Alan Kay

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