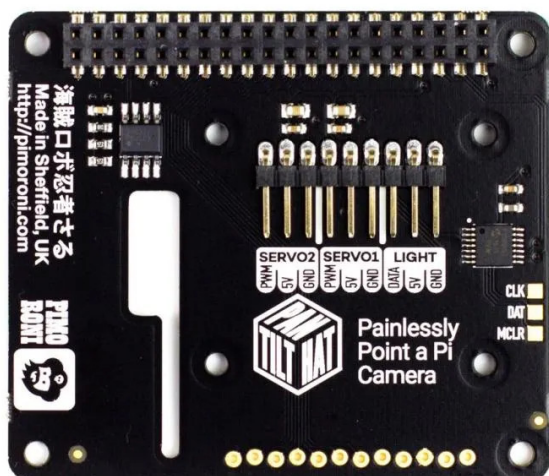**Item no.:** 345866
PIM218 - Pan Tilt HAT Servo Add On Board for Raspberry Pi

from **35,35 EUR**

Item no.: 345866
shipping weight: 0.10 kg
Manufacturer: Pimoroni

📄 Product Description

Pan Tilt HAT Servo Add On Board for Raspberry Pi

Ideal for a mini CCTV system, this set of horizontal and vertical motion servos will give you Pi camera movement with a minimum of fuss.

The Pan Tilt HAT lets you mount and control one of Pimoronis' pan-tilt modules right on top of your Raspberry Pi. The HAT and its on-board microcontroller let you independently drive the two servos (pan and tilt), as well as driving up to 24 regular LED (with PWM control) or NeoPixel RGB (or RGBW) LEDs. There's also a handy slot through which you can route the servo, LED, and camera cables. The module pans and tilts through 180 degrees in each axis.

Use the Pan Tilt HAT with a Pi camera for face-tracking. Or mount it on top of your roving robot as a set of eyes. Why not stick a foam sword on top and make it swashbuckle?!

There's absolutely no soldering required (unless you decide to use the optional NeoPixel strip or ring), as the servos on the pan tilt module have female jumper wires attached and Pimoroni have soldered a strip of right-angled header pins to the underside of the HAT to connect them up.

They've also included a handy little acrylic camera mount to hold your camera snugly in the head of the pan tilt module. The mount has a couple of mounting holes at the top to hold a NeoPixel stick and there's a neat little frosted diffuser to make the light super-dreamy. :-) Pimoroni suggest one of the Adafruit RGBW NeoPixel sticks, as they give a lovely pure white (or any other colour!)

Note that the Pi camera, NeoPixel strip, male header, female to female jumper wires, Pi 3 and Pibow are not included. You'll need to pick them up separately!

?The MagPi said, in their four star review, that the Pan Tilt HAT was a "highly enjoyable and extremely cute accessory".

- ?Pan-tilt module (180 degrees motion through each axis) with two servos
- HAT with two servo channels, one PWM or NeoPixel RGB (or RGBW) LED channel
- Right-angled header pre-soldered to underside of HAT for servo and LED channels
- Slot to route servo, LED, and camera cables through
- Acrylic mount to hold Pi camera and NeoPixel strip (with diffuser) in place
- Pan Tilt HAT pinout
- Compatible with all 40-pin header Raspberry Pi models
- Python library
- Comes fully assembled

📄 Specifications

Scan this QR code to view the product
All details, up-to-date prices and availability