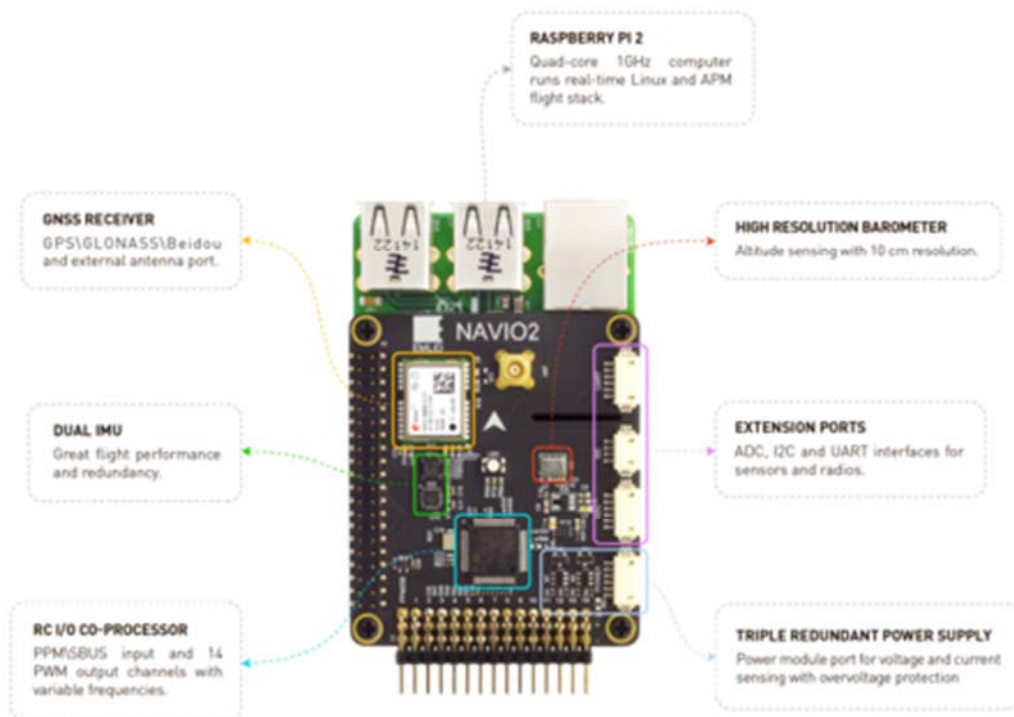# Navio 2 - New Linux autopilot for Raspberry Pi

EML NAV2

The Navio2 Autopilot Shield for Raspberry Pi / Raspberry Pi 2 is designed both for your own custom robotic projects and as a platform for Linux version of APM (ArduPilot).

Navio2 eliminates the need in multiple controllers onboard making development easier and increasing robustness.

Add WiFi or LTE connectivity by simply plugging a device in the USB port, compress video from a camera or even run image recognition. Navio2 extends connectivity and allows control of all kinds of moving robots: cars, boats, multirotors, planes. For accurate knowledge of position and orientation Navio2 is equipped with double IMU and GPS/Glonass/Beidou receiver.

Features:

- MPU9250 9DOF IMU
- LSM9DS1 9DOF IMU
- MS5611 Barometer
- Ublox M8N Glonass/GPS/Beidou
- RC I/O coprocessor
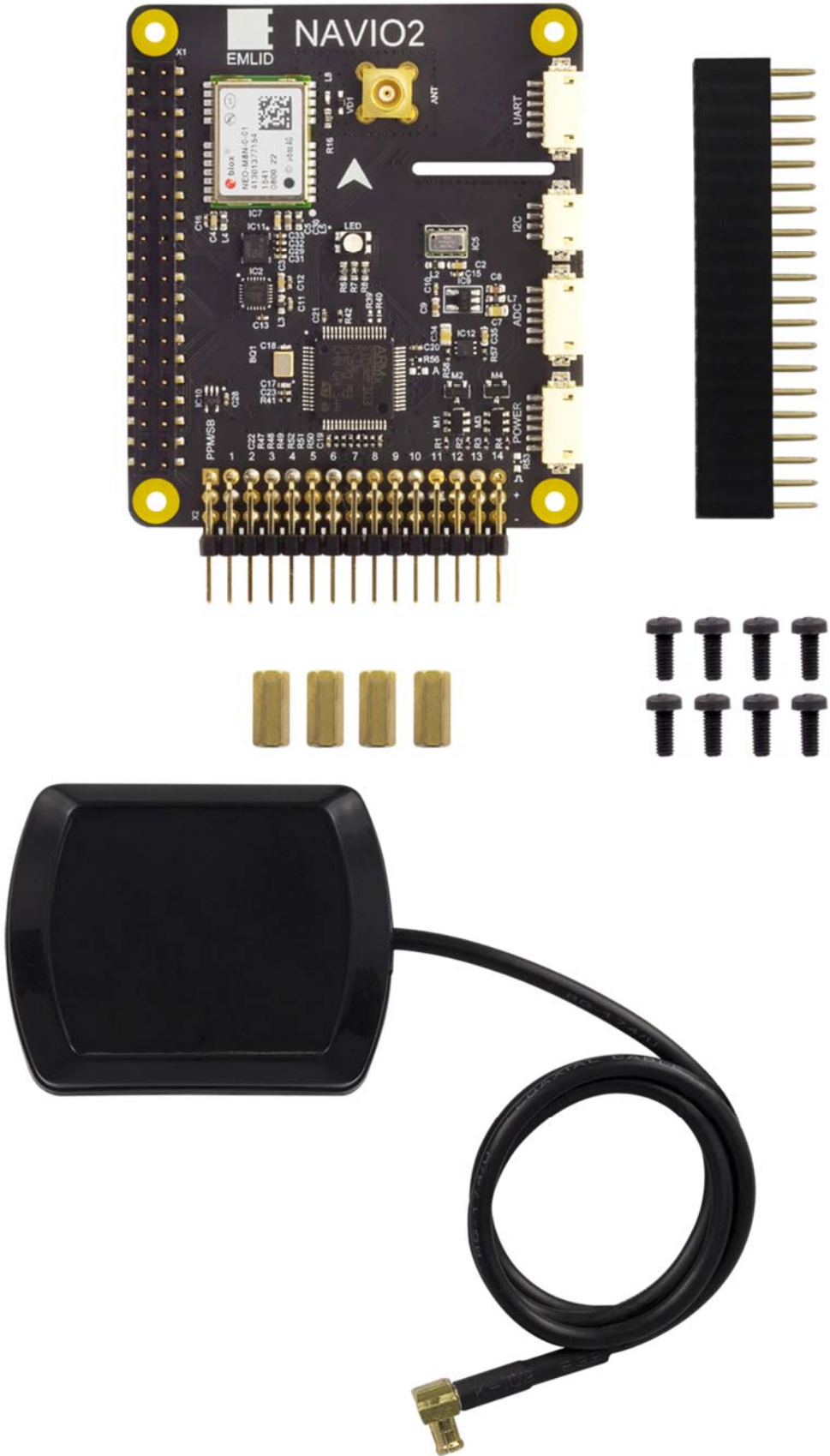- HAT EEPROM
- RGB LED

Specifications:

- 14 PWM servo outputs
- PPM/S.Bus input
- Triple redundant power supply
- Power module connector
- UART, I2C, ADC for extensions
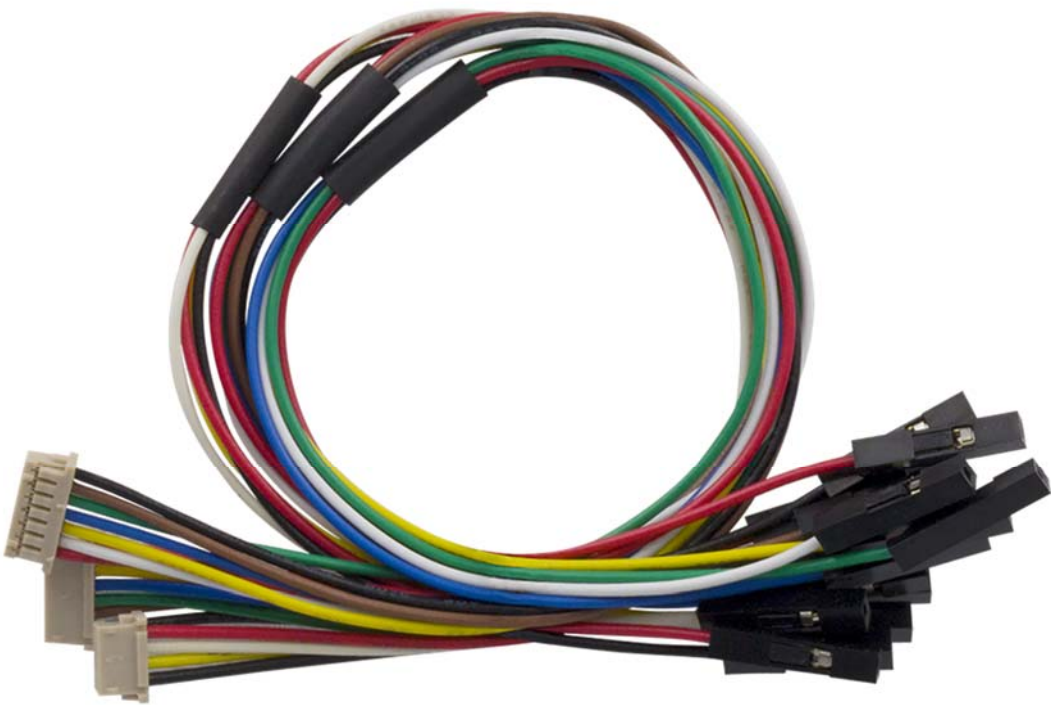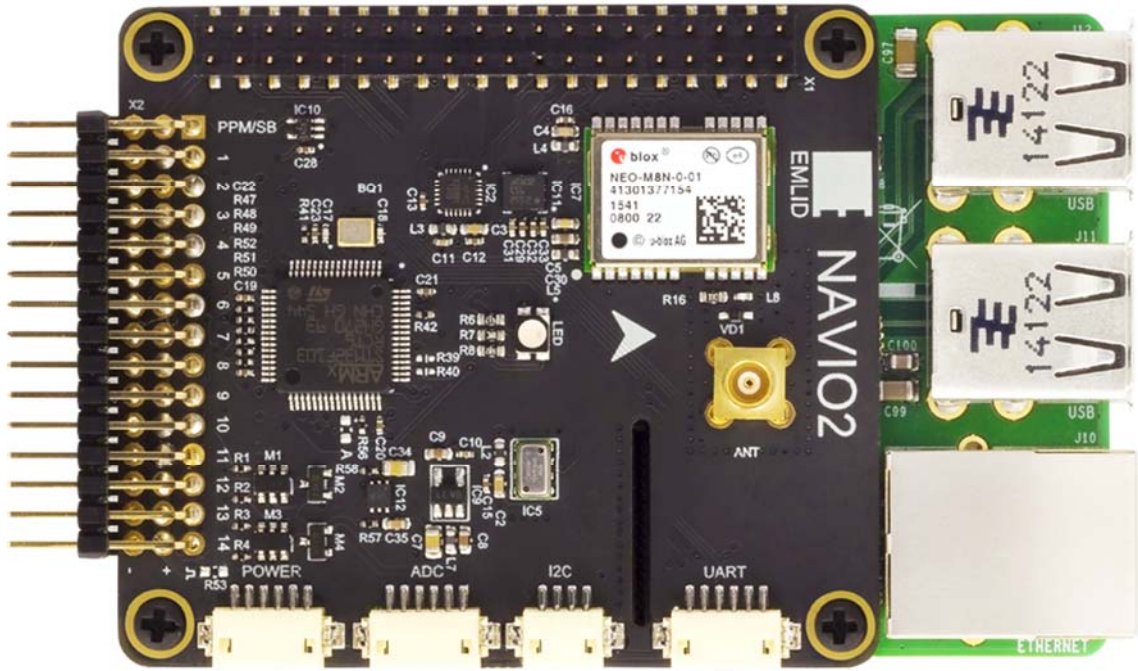- Size: 55x65mm
- Weight: 23gr
  Kit contains:

- Navio2 board
- GPS/GLO antenna for Navio2
- Power module for Navio2
- Wire pack for Navio2
  Note: Raspberry Pi not included

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https://shop.pimoroni.com/products/navio2-linux-autopilot-on-raspberry-pi 11-7-18