NAVIO2

Linux autopilot on Raspberry Pi

GET IT!

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ARDUPILOT FLIGHT STACK

Navio runs well proven Ardupilot flight stack and can operate in different flight modes including manual, stabilize, follow-me and auto. Code is executed directly on Raspberry Pi with real-time Linux kernel and you can run your applications

MULTI-PLATFORM GCS

Ardupilot supports MAVLink communication with a wide variety of GCS choices for Win, Mac, Linux, as well as for Android and IOS. Navio will send telemetry over Wi-Fi, LTE, BT or any other modem. With remote login you can monitor

INTERNET CONNECTIVITY

Use LTE modem or high power Wi-Fi to make your drone accessible over the internet or on your local network. Stream video from Raspberry Pi camera, use joystick to control your drone from anywhere in the world. Navio is

alongside. Copter, Plane and Rover are supported.

system, execute commands and run scripts in flight.

a multimedia autopilot and we can't wait to see what you are able to do with it.

RESEARCH AND EDUCATION PLATFORM

Navio is more than a ready to fly autopilot – it was built for research and education and has proven itself in universities and research institutions worldwide. Just think of numerous projects that can get use of IMU, GPS, barometer, servo control and very friendly programming environment. Open-source drivers and detailed tutorials are available both in C++ and Python. All experimental data can be processed directly on Raspberry Pi.

BUILT-IN GNSS RECEIVER

GPS, GLONASS and Beidou satellite systems are supported. External antenna port is available for flexible antenna choice.

RC IO co-processor

Accepts PPM, SBUS input and provides 14 PWM output channels with variable frequencies.

DUAL IMU

Two IMU chips provide unmatched flight performance and redundancy.

Extension ports

DF13 ports with ADC, I2C and UART interfaces are available for connection of sensors and radios.

High resolution baro

Top notch barometer provides altitude sensing with 10 cm resolution.

Advanced circuitry

Triple redundant power supplyPower module port with overvoltage protection and sensing of voltage and current.

Community Projects

Features

- MPU9250 9DOF IMU
- LSM9DS1 9DOF IMU
- MS5611 Barometer
- U-blox M8N Glonass/GPS/Beidou
- RC I/O co-processor
- 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

Get it

Gabian:F[illegible]adcopter

Waterproof quadcopter fully built around a Raspberry Pi equipped with a Navio 2 board @Guiboy

You are just a step away from making your first Raspberry Pi drone. Get a Navio2 for yourself with fast worldwide shipping.

GET IT!

Want to use Navio2 for your project or research? Fill in a short form to get an education discount.

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