



PRODUCT NAME : Pixpilot v2.4.6 (Pixhawk) open-hardware Autopilot Flight Controller +I2C+RGB+ Neo M8N GPS +Minim OSD+PM +433 Telemetry

PRICE : Rs 21,999.00
SKU : RM2533



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DESCRIPTION

PX4 Pixhawk V2.4.6 32Bits Open Source Flight Controller w/External LED for RC Airplanes

Improvements on V2.4.5

- V2.4.6 PCB board.
- Redeveloped and optimized circuit without changing components.
- Could use Official MissionPlanner, ECLIPSE firmware upgrade.

Features:

- 168 MHz / 252 MIPS Cortex-M4F.
- 14 PWM / Servo outputs (8 with failsafe and manual override, 6 auxiliary, high-power compatible).
- Abundant connectivity options for additional peripherals (UART, I2C, CAN).
- Integrated backup system for in-flight recovery and manual override with dedicated processor and stand-alone power supply (fixed-wing use).
- Backup system integrates mixing, providing consistent autopilot and manual override mixing modes (fixed wing use).
- Redundant power supply inputs and automatic failover.
- External safety switch.
- Multicolor LED main visual indicator.
- High-power, multi-tone piezo audio indicator.
- microSD card for high-rate logging over extended periods of time.

Specifications:

- 32bit STM32F427 Cortex M4 core with FPU.
- 168 MHz.
- 256 KB RAM.
- 2 MB Flash.

- 32 bit STM32F103 failsafe co-processor.

Sensors:

- ST Micro L3GD20H 16 bit gyroscope.
- ST Micro LSM303D 14 bit accelerometer / magnetometer.
- MEAS MS5611 barometer.

Interfaces

- 5x UART (serial ports), one high-power capable, 2x with HW flow control.
- 2x CAN (one with internal 3.3V transceiver, one on expansion connector).
- Spektrum DSM / DSM2 / DSM-X® Satellite compatible input.
- Futaba S.BUS® compatible input and output.
- PPM sum signal input.
- RSSI (PWM or voltage) input.
- I2C.
- SPI.
- 3.3 and 6.6V ADC inputs.
- Internal microUSB port and external microUSB port extension.

Power System and Protection

- Ideal diode controller with automatic failover.
- Servo rail high-power (max. 10V) and high-current (10A+) ready.
- All peripheral outputs over-current protected, all inputs ESD protected.
- Compare to the old version 2.4.5, the final release 2.4.6 Version is added two components: D1002 and F1002.
- D1002 model: PMEG2005CT.
- This version of flight control can solve the problem of small supply current for receiver, and the flight control system halted caused by overcurrent supply.

Package Included:

- PX4 V2.4.6 Flight board x1 (with original DF13 connector).
- safety switch x1.
- Buzzer x1.
- Original Case x1.
- 4GB SD Card x1.
- SD Card Adapter x1 (we have updated it to 8GB SD Card for free instead of the 4GB SD Card Friend, when you pay it, we will send you the 8GB SD Card).
- External LED light board X 1.
- Pixhawk-I2C Splitter Expand Module X 1.
- Neo-M8N Gps Module x1 .

- Power Module x1 .
- Minim OSD x1.
- 433 telemetry x1.
- DF13 4Pin Cable x1 .
- DF13 5Pin Cable x1 .
- DF13 6Pin Cable x1 .

