{youtube}zJoeNWfBPkE{/youtube}

This is a combination of well known and time tested HobbyKing multirotor controller board V3.0 with matched Quad Frame, BLDC motors, ESCs and propellers that will help you quickly build your own Quadrotor platform.

The muti-rotor controller board is HobbyKing multirotor controller board V3.0 with following specifications,

- Size: 50.5mm x 50.5mm x 23.5mm
- Weight: 14.5 gram
- IC: Atmega328 PA
- Gyro: Murata Piezo
- Input Voltage: 3.3-5.5V
- Signal from Receiver: 1520us (4 channels)
- Signal to ESC: 1520us

For more information on flight controller, please refer to HobbyKing website here .

Important Note: The support for any query related to flight controller is available directly on Hobby king website.

Quadrotor 49.5cm Diameter Frame is a sturdy yet light weight frame which is capable of surviving repeated crashes. It comes with dedicated power distribution board for connecting LiPo battery with all ESCs. Each N2822 1800kv BLDC motor with its 8x4.5 inch (20x 11cm) Pusher and Puller Propeller Matched Pair is capable of providing maximum thrust of 900gms per motor.

This quad rotor is capable of providing maximum thrust of 3.6Kgs. The approximate weight is around 1.2Kgs. The ESCs included in the package can drive motors with continuous 20Amp load current. This ESC is factory programmed and ready to use (Product code: NR-BLDC-MD20).

**Note:** Kit comes in unassembled form

**Kit contains**

HobbyKing multirotor controller board V3.0: Qty 1
Quadrotor 49.5cm Diameter Frame: Qty 1
N2822 1800Kv Brushless DC Outrunner Motor: Qty 4
20Amp BLDC ESC: Qty 4
8x4.5 inch (20x 11cm) Pusher and Puller Propeller Matched Pair: Qty: 2 Pair

**Required**

FS-CT6B 6ch 2.4GHz transmitter & receiver: Qty 1
Lithium Polymer 3 Cell, 11.1V, 5000mAh, 20C discharge Battery: Qty 1
Protection Circuit for 3 Cell Li-Po Battery: Qty 1
B6AC Universal Battery Charger: Qty 1

Warning: Flying multirotor platforms requires considerable amount of practice and skill. If not handled correctly, it can cause severe injury. Please read the flight controller manual carefully before starting. Please make sure that you remove the props before doing any caliberation and/or configuration changes.

Disclaimer: Nex Robotics will not be responsible for any injuries or damages caused while operating this platform.