ESPcopter: Programmable Mini Drone

by MetehanE

Meet with modular mini-drone ESPcopter that can be programmable with blocky and Arduino.

ESPcopter has a lot of cool features like auto flight, hand control, blockly programming for stem education, anti-collision system, Arduino and Processing curriculum, altitude hold, etc.

ESPcopter live on crowdfunding and only 10 days left to get ESPcopter from crowdfunding.

Thanks Here is the link: https://arikovani.com/en/projects/programlanabilir...

Here is the espcopter project videos channel:

//www.youtube.com/embed/jOLkR3hshLA

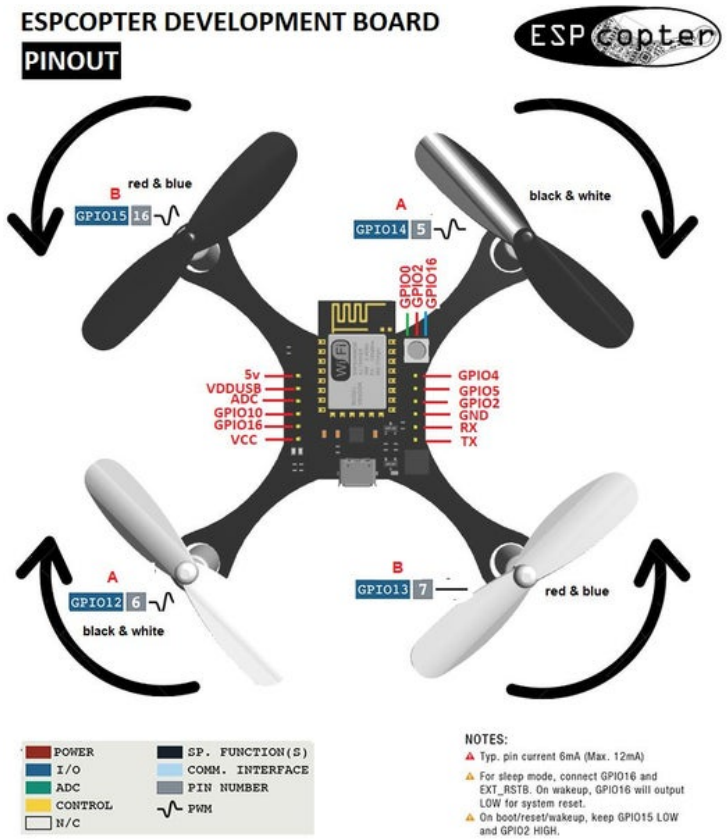
Step 1: What Are the Technical Specifications of ESPcopter?

Step 2: Box

Step 3: Drone Parts:

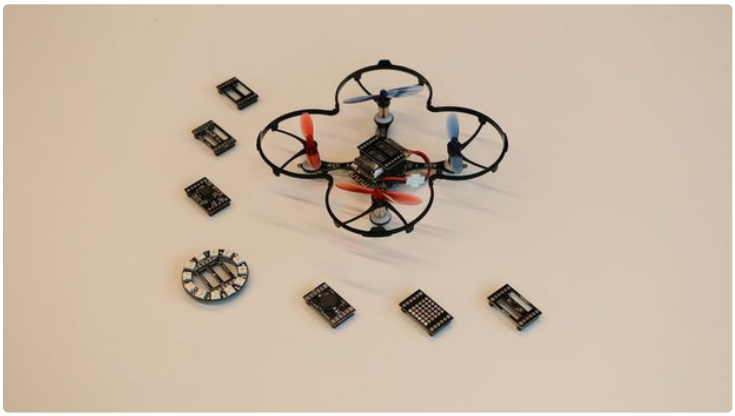
//www.youtube.com/embed/pRIJ-SkrO2M

Step 4: Pinout:



Step 5: What Are Development Modules?

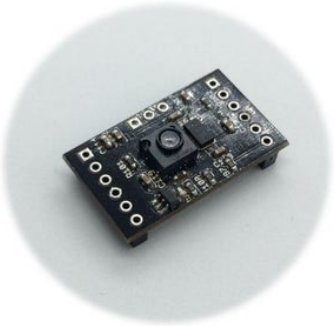
Thanks to its modular structure, you can add new features to ESPcopter By Using Sensor Shields

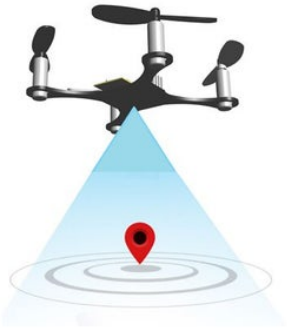


Step 6: ESPcopter Optical Flow Module:

The optical flow module measures the movement of the ESPcopter over the ground, allowing the drone to remain stable in the air and to perform autonomous tasks.

//www.youtube.com/embed/qF6-xkCOxZk

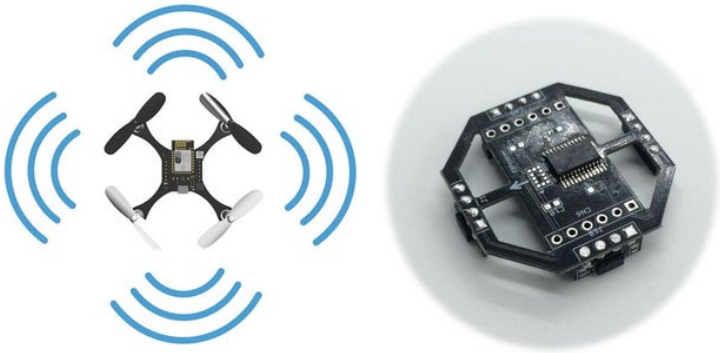




Step 7: ESPcopter Multi-Distance Module:

There are laser sensors on the multi-distance module with 1-meter detection distance facing forward, backward, right and left. With this module, you can do applications such as collision prevention, autonomous flight or hand control according to the distance to the walls.

//www.youtube.com/embed/LB4Lqe8Wtn8



Step 8: Other ESPcopter Modules:

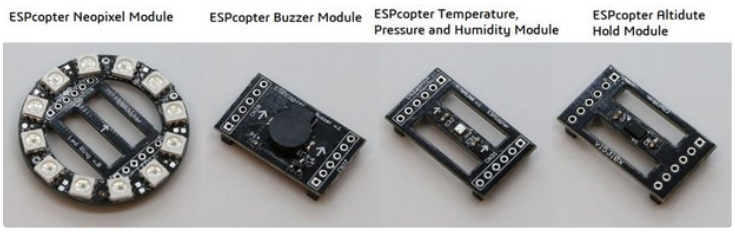
ESPcopter Neopixel Module

ESPcopter Buzzer Module:

ESPcopter Temperature Pressure and Humidity module

ESPcopter Altitude Hold Module

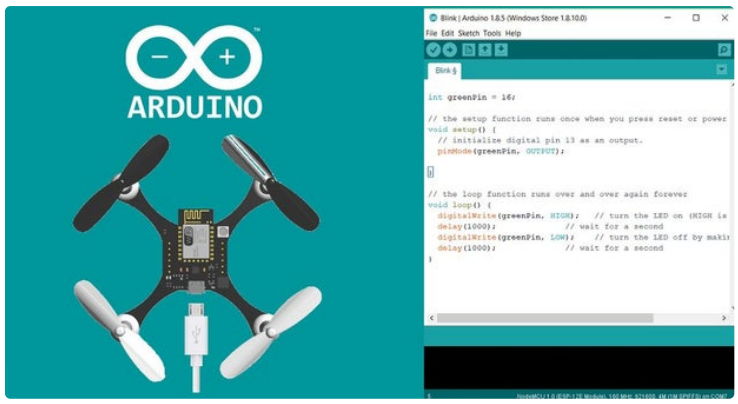
//www.youtube.com/embed/QakQ3MTHiMc



Step 9: How Can I Control ESPcopter?

//www.youtube.com/embed/HVeFnZ49uzU

Step 10: Arduino Library



https://www.instructabl...

Download

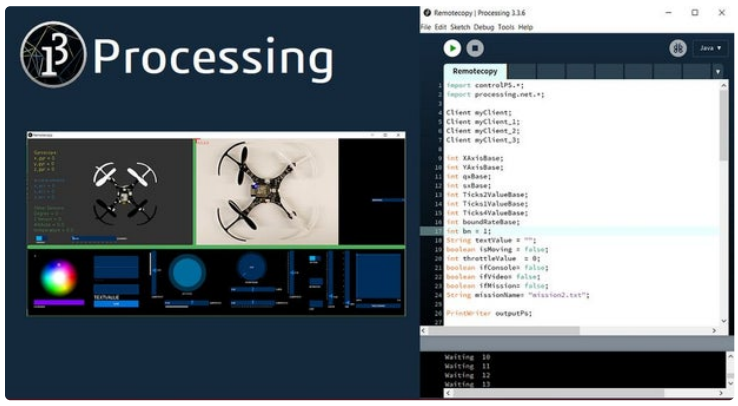
Step 11: Blockly Programming

We developed a fully online blockly coding web site for students who are new to coding education.

You can access the Block Programming interface via this link: http://espcopter.com/1513-2

//www.youtube.com/embed/GRLIyIiUVoE

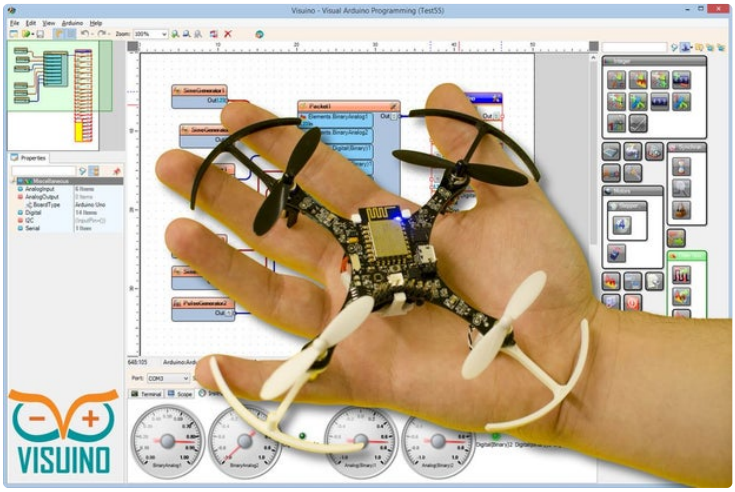
Step 12: Processing Control Software



Step 13: RemoteXY Support

//www.youtube.com/embed/xB08KhSBeyw

Step 14: Visuino Support



Step 15: Contact, Question and Community

Mail: hello@espcopter.com

Facebook: https://www.facebook.com/espcopter/

Have any questions? For more information, visit our community site at http://espcopter.com/community/ or ask us in our Facebook group (Link below)!

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Facebook Group: https://www.facebook.com/groups/1055252907941836/

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