



SEND



QUESTIONS

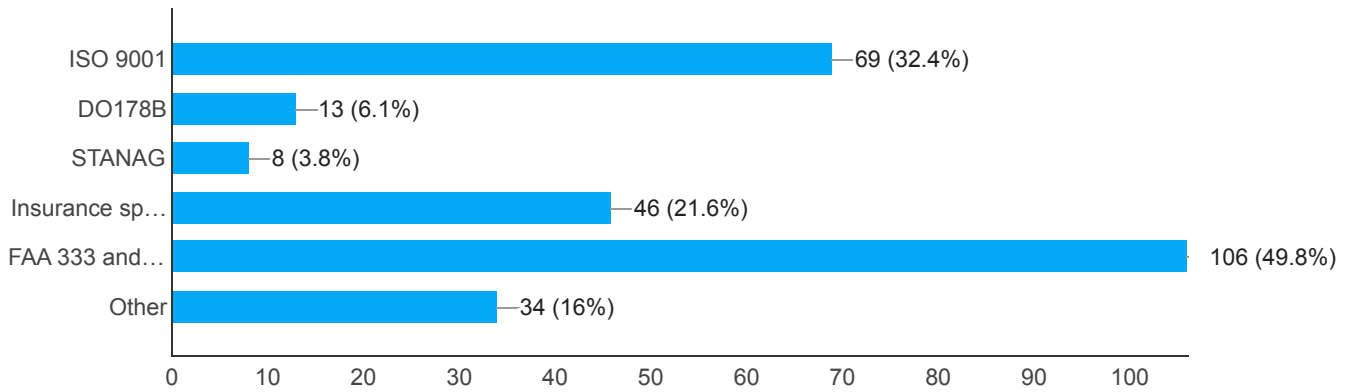
RESPONSES

213 responses

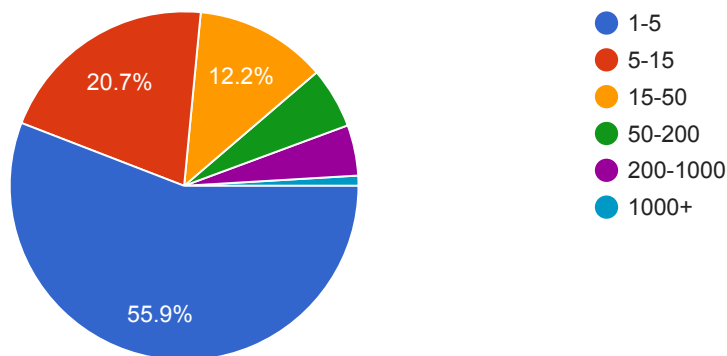


Accepting responses

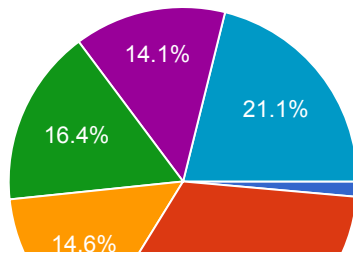
What certifications does your area require? (213 responses)



How many Pixhawks do you consume / buy per year? (213 responses)

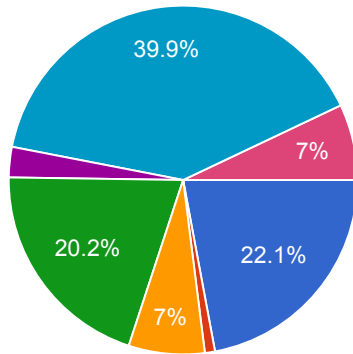


What is the most important feature for you? (213 responses)



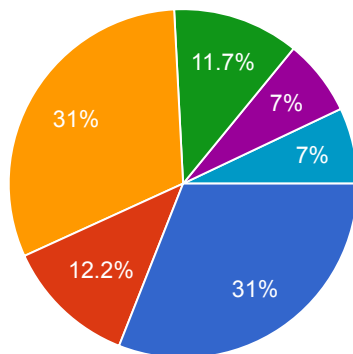
- Cost effective, minimal
- Balance of cost and features
- Long term availability
- Certification, testing and insurance (as above)
- Rapid evolution, new sensors, new micro controllers

What is your primary application area (213 responses)



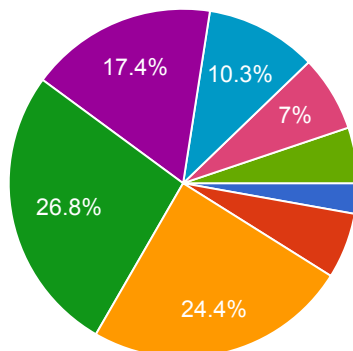
- Photography and Video
- FPV Racing
- FPV and Flying Action Cam
- Inspection
- Drone Cargo
- Survey/Mapping
- Other

Are using or planning to use an onboard computer? (213 responses)



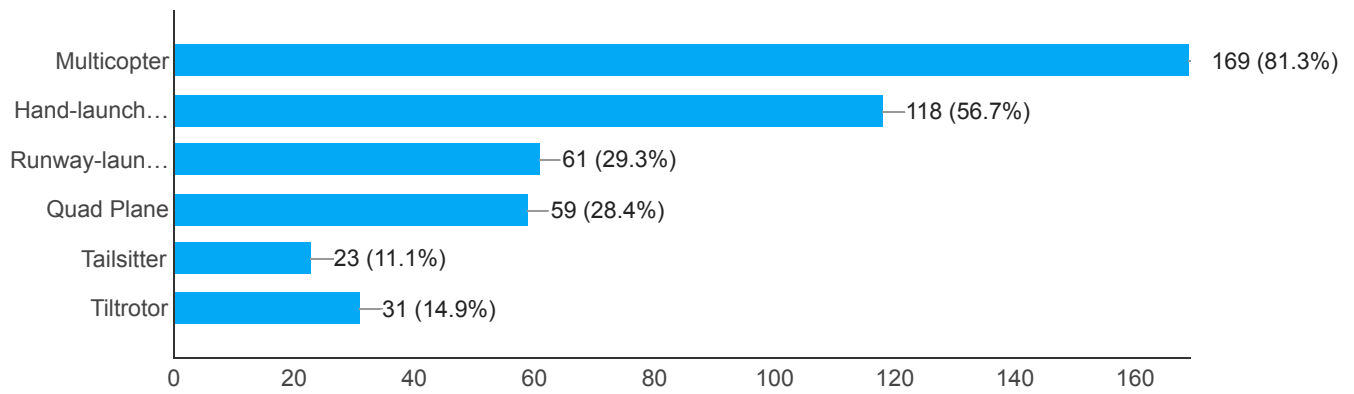
- NO
- Snapdragon Flight (including cameras) or similar
- Raspberry PI 1/2, Odroid or similar
- Raspberry Zero, Intel Edison, Gumstix or similar
- Intel i3 / i7 / NUC or similar
- nVidia Jetson TK1 or similar

What price range would the hardware need to meet for your application? (213 responses)

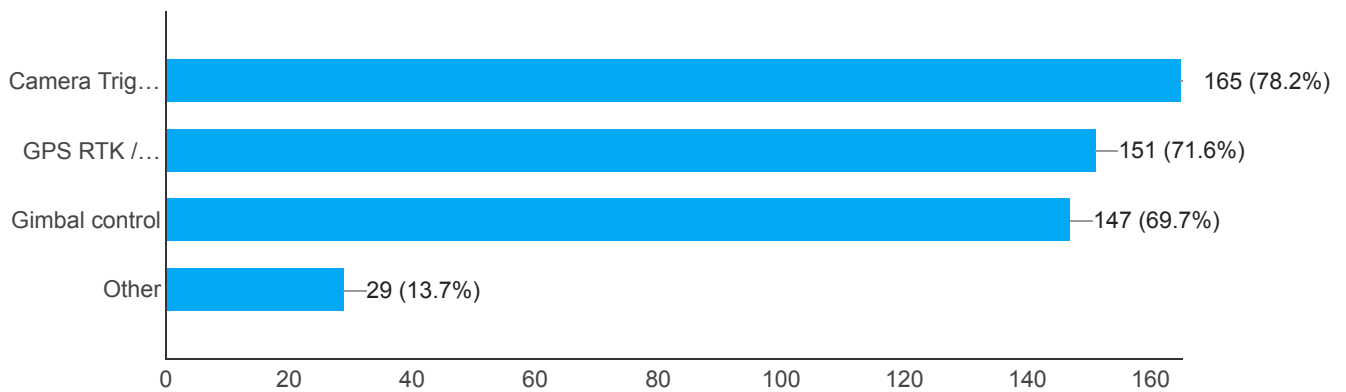


- less than \$50
- less than \$100
- less than \$200
- less than \$300
- less than \$500
- less than \$800
- less than \$1500
- less than \$2500

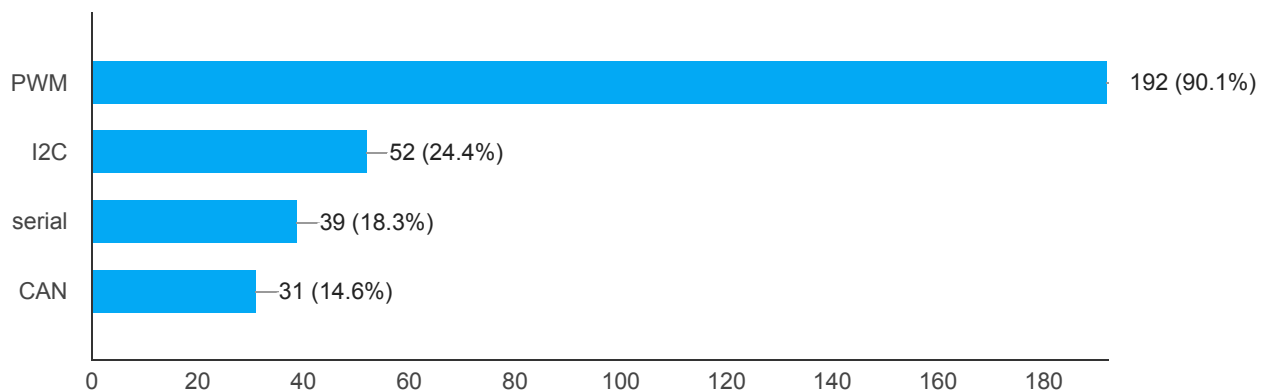
What Airframe(s) are you planning to equip? (208 responses)



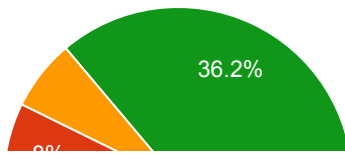
What Payload interfaces are you currently using or planning to use? (211 responses)



What motor / actuator interfaces are you currently using (213 responses)

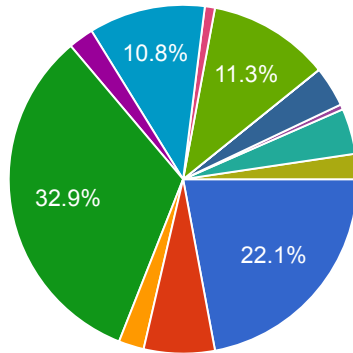


What will be your primary actuator interface in the future (213 responses)



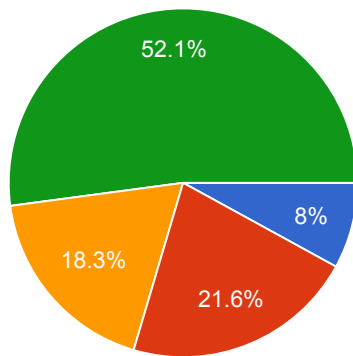
- PWM
- I2C
- serial
- CAN

If PWM, how many are required for your solution? (213 responses)



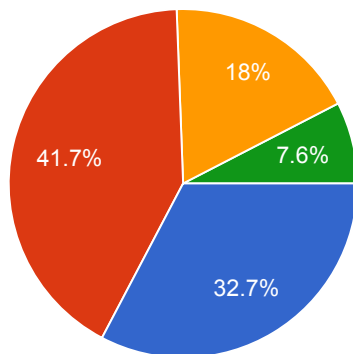
- Less than 6
 - 6
 - 7
 - 8
 - 9
 - 10
 - 11
 - 12
- ▲ 1/2 ▼

What is your view on vibration isolation? (213 responses)



- Not required, we use hard mounting
- We use foam because its provided
- We use foam because we absolutely need it
- We use a custom vibration isolation solution

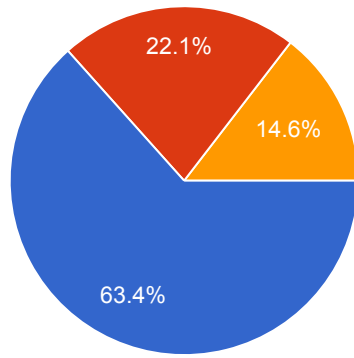
Would you require internal vibration isolation for your next Pixhawk?
(211 responses)



- Yes, our own analysis shows we need it
- Yes, because we heard its helpful
- No, we don't think its important
- No, our analysis shows it has no benefit

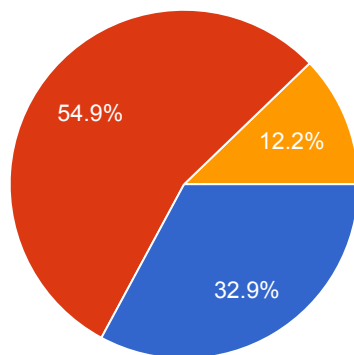
If vibration isolation would double the price, would you like to have it as option instead?

(213 responses)



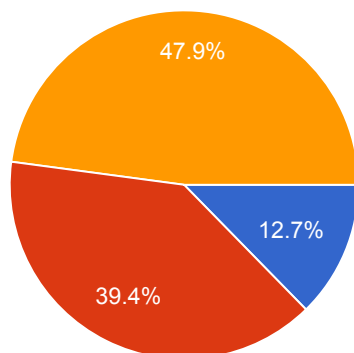
- Yes, I want to be able to add it when needed
- No, I would like to have it always included
- I don't want vibration isolation

Do you require a static / dynamic pressure port? (213 responses)



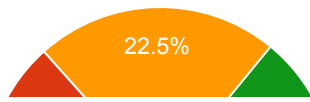
- I'm not sure what it is or if I need it
- Yes, we are sure we need it
- No, we are sure we do not need it

What footprint for the autopilot seems acceptable as maximum? (213 responses)



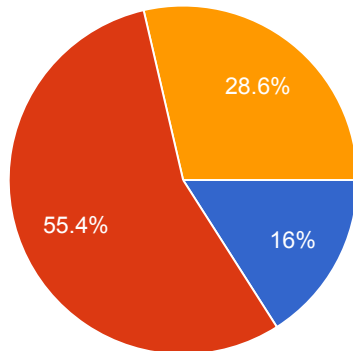
- 40x40x20 mm
- 40x60x30 mm
- 40x80x40 mm

What case quality would you like to have? (213 responses)



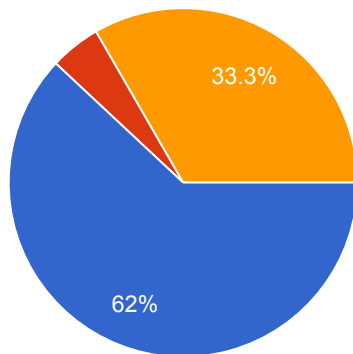
- No case
- Plastic case
- Aluminium case

Would you like to have the autopilot as stackable module? (213 responses)



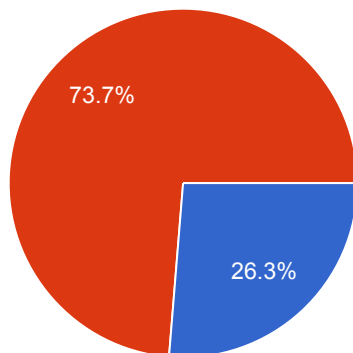
- Yes, a tiny module with a stacking connector
- Yes, a credit-card sized module with a long-term stable connector standard
- No

Do you need multiple sensors (e.g. multiple gyros) (213 responses)



- Yes, because Pixhawk 1 has it
- No, because it only added cost
- We're not sure

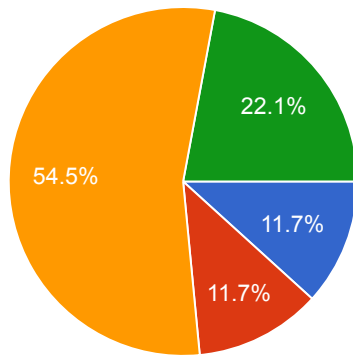
Do you need multiple power sources? (213 responses)



- Single power rail is sufficient (USB and battery)
- Support for 2 independent batteries to power the autopilot

Do you absolutely need true redundancy and lockstep (3 autopilots connected and voting)?

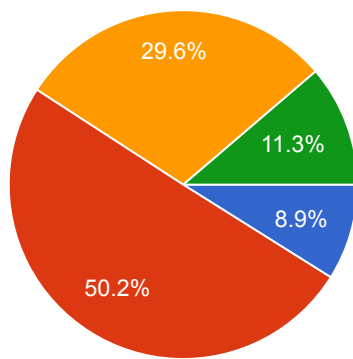
(213 responses)



- Yes, local regulations require it or will for certain require it
- Yes, because our customers are asking for it
- We want to have the future option, but not right now
- Not relevant for our market

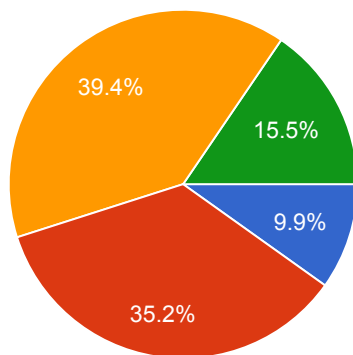
When selecting a solution, how important is integration support after the sale from the manufacturer?

(213 responses)



- Not important
- Somewhat important
- Very important
- Absolutely Critical

How do you monitor your battery? (213 responses)

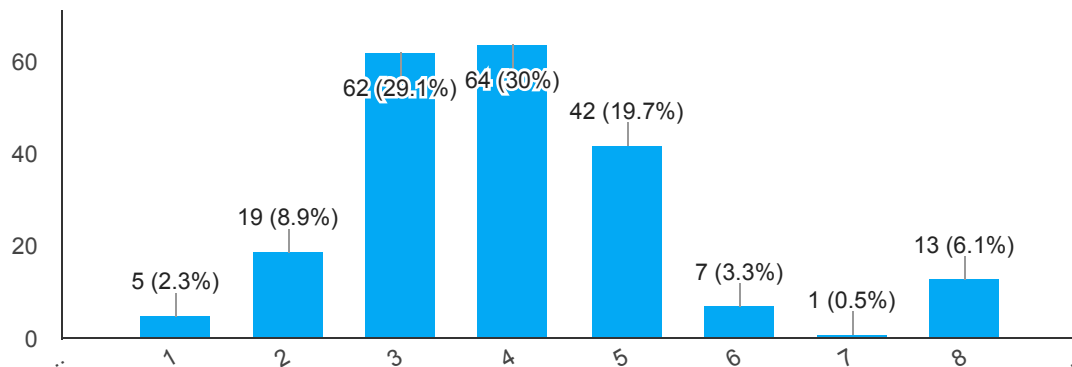


- We use smart batteries via I2C
- Single battery
- We need to monitor two batteries
- We need to monitor more than two batteries

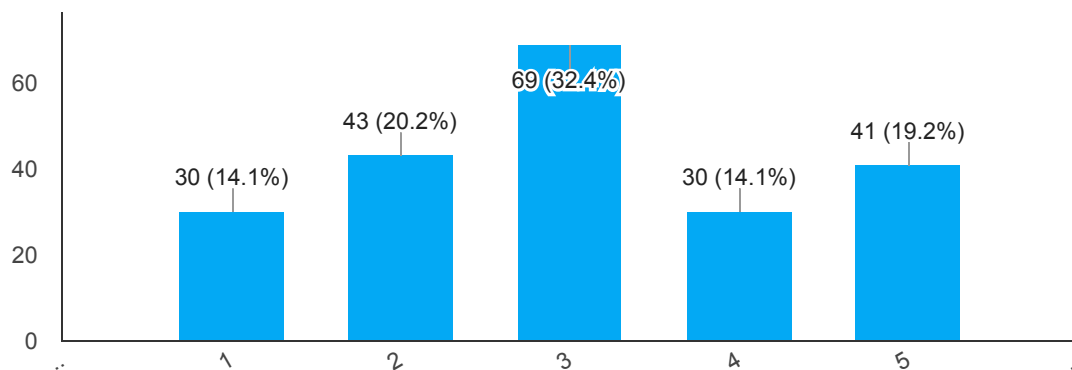
Software Updates & Configuration (213 responses)

I want to upd... 170 (79.8%)

Long-term availability - how long should the design be available? (213 responses)



Multi-vendor: How important is to have choices? (213 responses)



Tell us your opinion? (50 responses)

Transponder connector (Future option)

Pixhawk is great. Why? It is very reliable and repeatable. We won't migrate to anything until it has been proven. It took us 1.5 years to move to Pixhawk because it had too many bugs but now it is exceptional.

We need the system as open as possible for test purposes and other sensor integration (customization). DJI is like an APPLE product, nice, works mostly but does not have any other options. So keep going on the way.

Solo pilot I need to carry a bigger gimbal so I need more payload with the ease of solo options !

Current Pixhawk suits our application very well. By far the most important feature is the fact that the firmware is really open and the hardware design docs are at least available.

Regarding multi-vendor: I am missing a second source of known quality. The export ban time was really a nightmare we hope not to see anymore soon... Cheap chinese clones don't really help here.

For Commercial applications, reliability is critical. I would gladly pay extra for an autopilot system with higher grade components and higher level of quality control from the factory.

Some free-text responses allowed to identify participants (name in text) and were stripped.