

# Quadracopter project

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loose specifications:

- being able to fly horizontally through door openings
- being able to manouver with an external load of 2 kg
- fast wireless communication
- possibility to extend unit with a robotic arm
- possibility to extend unit with autonomous navigation and manouverability
- awesome looks
- speaker
- possibility to extend unit with computer vision
- operating on embedded linux
- usb port
- reasonable air time
- easy to exchange battery pack