



LeQuad quadcopter

The leQuad quadcopter was designed in the Laboratory of Intelligent Systems, EPFL, which makes it easily reconfigurable and repairable. Having very lightweight and rigid frame it has a very good thrust/weight ratio allowing adding many additional components to basic configuration. It's mostly used with our MoCap system indoors, but may be fitted with GPS sensor for outdoors experiments.

Key Features

- Payload of 500 g
- Custom power distribution board
- ROS interface
- Odroid XU4 onboard companion computer
- Pixhawk 4 autopilot hardware

Possible Applications

- Computer vision drone experiments
 - Drone control algorithms development
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Access information

Corresponding infrastructure	École Polytechnique Fédérale de Lausanne Laboratory of Intelligent Systems
Location	Route Cantonale, 1015 Lausanne, Switzerland
Unit of access	Working day

Technical specifications

Weight	~1.2 kg
Interface	ROS, MAVSDK
Power supply	4 cell LiPo battery or 12-16V power supply