



Darius

Self-designed hexacopter, designed for being able to accomplish a variety of tasks. It can be controlled with two different types of autopilots: Pixhawk (Px4) and Naza V3. It can carry up to 8kg of payload, including robotic arms. It is also foldable.

Key Features

- Diameter: 1.7m
- 12 minutes endurance (fully loaded)
- Weight: 7kg +8kg extra payload
- Foldable
- Motors: KDE6213XF (185Kw)

Possible Applications

- Multipurpose aerial cooperation for structure assemble
- Object grabbing in inaccessible locations
- Use of tools for aerial repairs
- Obstacles detection and removal
- Load transportation



Access information

Corresponding infrastructure	Universidad de Sevilla Robotics, Vision and Control Group
Location	Camino de los Descubrimientos, 41092 Sevilla, Spain
Unit of access	Working day

Technical specifications

Speed	17 m/s
Altitude	2500 AMSL
Power supply	2 batteries, 25-volt 12-amp
Interface	Ros/Ubuntu
Weight	7kg
Endurance	12 minutes (Fully loaded)
Height	550mm