

## UAV Octorotor - Aerial Inspection Robot (SIMORGH)



This robot is a family of vertical Unmanned Aerial Vehicles. The trust created by 8 rotors is capable of flying the robot with a maximum of 2 kg payload.

The flight time is about 20 minutes. For a longer flight time additional battery is required.

The robot has two wireless connection, one for control and the other to send the robot data to the ground station. The flight distance is up to 1 km in free space (expandable

to 4 km). The maximum altitude is also limited to the same range. One of the most advantages of an Octorotor flying robot compare to a Quadrotor is its more safe and reliable flight. In case of a failure in one or even in two rotors of the robot, it is capable of safe flight and proper landing.



### Features:

- Payload: 2000 g
- Flight time: 20 minutes
- Maximum speed: 50 km/h
- Camera Gimbal
- GPS positioning and navigation
- Installation of different cameras

### Applications:

- Aerial Photography
- Surveillance and inspection
- Search and rescue missions
- Small object handling
- Border patrol
- Education and research

