Abstract

Nowadays, the demand for a reliable autonomous application is increasing enormously. A fully autonomous body could reduce human involvement and increase efficiency of the desired function. Managing a single task is quite easy but performing same task over multiple times with same accuracy requires big effort. Therefore designing a system which could match the complexity of same work repeatedly will bring a new revolution. In this paper, we are developing a system through which multiple aerial drones can be controlled through single controller. We are focusing on UAVs and in concern to achieve this we aim at managing minimum distance at low level and at high level, they should not disturb the path of other flying drone. They should re-center their location through sensor of collision and GPS coordination. This research will bring many applications in control, for example rescue missions and in agriculture.

References

1. Types of Drones - Explore the Different Types of UAV's. (2017, February 03). Retrieved
An Overview on Multiple Unmanned Aerial Vehicle Control through Single Controller

from http://www.circuitstoday.com/types-of-drones


27. Zong lingpei

**Index Terms**

<table>
<thead>
<tr>
<th>Computer Science</th>
<th>Signal Processing</th>
</tr>
</thead>
</table>

**Keywords**

UAV (Unmanned Aerial Vehicle), Drone, path trajectory.