

Development of Cost Competitive Unmanned Aerial Vehicle for Search and Rescue

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UAV Technology is progressing at a rapid pace around the world. Some organizations have tried to develop Enterprise class UAVs which aim to cater to large section of users.

A dedicated cost competitive UAV to be used during and after disaster and for search and rescue missions is currently not available.

An effort is made to develop quad/hexa copter based UAVs with thermal and/or regular video cameras alongwith a servo controlled arm for transporting objects during search and rescue mission.

The thermal camera can transmit video images to the UAV operator to check for presence of victims during floods, earthquakes, forest fires, landslides, avalanches, tsunamis and cyclones.

During the search and rescue operations, items like inflatable lifejackets, harness, food and water supply etc can be dropped to the victims as well as rescue teams.

Keywords: Cost Competitive, Unmanned Aerial Vehicle, Search and Rescue