

## Visual Surveillance of Natural Geography by means of UAV

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Unmanned aerial vehicle (UAV) systems can lead to major advances in physical geography. We have obtained a high-resolution digital aerial photographs using UAV (Unmanned Aerial Vehicle). UAV can make an automatic flight under the GPS control and take aerial photographs repeatedly with the same flight route. In this study, UAV was flying at 50 to 100m altitude. We have taken aerial photographs at coral reefs ,mangrove forests and the trench site of active fault. The high-resolution aerial photographs, a detailed classification map could be created, and it would also allow the extraction of dynamical topographic and vegetation development temporal changes.

Keywords: UAV, High-resolution digital aerial Pjotograh, Proximal Remote Sensing Method