

Rice growth condition estimation using small UAV

TANAKA, Kei^{1*} ; KONDOH, Akihiko²

¹Japan Map Center, ²Center for Environmental Remote Sensing, Chiba University

The advances of GPS, gyro and acceleration sensor has made possible low-cost and miniaturization. Thereby, multi-copter mounted with these sensors have appeared. That it requires a high level of technology and knowledge in the handling of RC traditional helicopter, beginner to steer is difficult. However, it has become possible to get easily geospatial information of high-resolution for beginners.

In this study, we examined method of rice growth monitoring by using small UAV.

Keywords: small UAV, NDVI, orthophoto, DSM, rice growth monitoring