



[Volume XL-1/W1](#)

Int. Arch. Photogramm. Remote Sens. Spatial Inf. Sci., XL-1/W1, 185-189, 2013
www.int-arch-photogramm-remote-sens-spatial-inf-sci.net/XL-1-W1/185/2013/
doi:10.5194/isprsarchives-XL-1-W1-185-2013
© Author(s) 2013. This work is distributed
under the Creative Commons Attribution 3.0 License.

APPLICABILITY ANALYSIS OF ULTRA-LIGHT UAV FOR FLOODING SITE SURVEY IN SOUTH KOREA

I. Lee, J. Kang, and G. Seo
Spatial Information Research Institute (SIRI), Korea Cadastral Survey Corp., Seoul, Republic of Korea

Keywords: UAV (Unmanned Aerial Vehicle), Flood Mapping, Ground survey, Cadastral

Abstract. Recently, UAV (Unmanned Aerial Vehicle) is used in a variety of fields such as the military service, fire prevention, traffic supervision, mapping, and etc. The increased demand for UAVs is typically attributed to the low manufacturing and operational costs, flexibility of the platforms to accommodate the consumer's particular needs and the elimination of the risk to pilots' lives in difficult missions. But, in South Korea, UAV might be first introduced to military service, and is still in its infancy, just being available for construction site monitoring, landscape photographing, spraying agricultural chemicals, broadcasting fields. This study presents the background and the aim of flood mapping, and presents the possibility analysis of how to use UAV effectively for flooding area. And author tries to overlap UAV image with the flooding area trace surveyed by ground surveys. As a result, it is expected that UAV photogrammetry will contribute to investigating the flooded area by providing images, which is describing the flooded area in near real-time and also making a decision like paying compensation.

[Conference Paper](#) (PDF, 787 KB)

Citation: Lee, I., Kang, J., and Seo, G.: APPLICABILITY ANALYSIS OF ULTRA-LIGHT UAV FOR FLOODING SITE SURVEY IN SOUTH KOREA, Int. Arch. Photogramm. Remote Sens. Spatial Inf. Sci., XL-1/W1, 185-189, doi:10.5194/isprsarchives-XL-1-W1-185-2013, 2013.

[Bibtex](#) [EndNote](#) [Reference Manager](#) [XML](#)

