

Digital Airborne Images and Video Data Processing Using PHOTOMOD and ROSKAD Software

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1. Digital equipment is widely using in aerial survey for terrain mapmaking.
2. Digital cameras full-value using is possible only when geometric images calibration is provided along with interior orientation and residual distortion parameters acquisition.
3. Distortion of images obtained by digital amateur cameras essentially succeeds acceptable tolerance at images photogrammetric processing.
4. ROSKAD software allows to process images without interior orientation parameters measuring. For correct processing the images should be in central projection at that it is sufficient to execute incomplete calibration and eliminate distortion effect.
5. It is recommended to use ScanCorrect module of PHOTOMOD digital photogrammetric system for distortion effect elimination.
6. Calibration scheme, images processing methodology as well as survey results obtained from radio-controlled airplane will be described in this presentation.