

Aerial Triangulation Module for Photogrammetry Suite

SimActive, the Canadian developer of photogrammetry software, has announced the introduction of aerial triangulation (AT) as part of its Correlator3D photogrammetry suite. SimActive's AT is an automated process based on unique algorithms for tie point extraction and advanced minimisation techniques for bundle adjustment.

Leveraging the GPU and multi-core CPUs, rapid AT is possible allowing entire projects to be processed within minutes.

SimActive designed the module to achieve the highest productivity with the capability of processing even the most demanding of projects, such as those from UAV platforms using consumer grade cameras with only GPS information. Through intense research and development, algorithms were developed for high accuracy results while keeping processing speeds to no more than a few seconds per image. At the same time, significant efforts were put into keeping the workflow simple and logical enabling easy integration into existing workflows and requiring virtually no training to use efficiently.

Louis Simard, chief technology officer of SimActive commented his company used the latest software technologies to get the most out of modern PCs and developed a high speed AT module. While performance was a key objective, no compromise was made on the robustness and accuracy of the solution, he added.

For a live demonstration at India Geospatial Forum 2013 (22-24 January, Hyderabad, India), you are welcome to send an email to sales@simactive.com.

<https://www.gim-international.com/content/news/aerial-triangulation-module-for-photogrammetry-suite>
