WHAT'S NEW?

inpho™ 6.0

Including SCOP++ and UASMaster

MORE FUNCTIONALITY – FULL FLEXIBILITY – COMPLETE WORKFLOWS
= ONE TOOL

Integrated modules for a simplified product structure with a complete set of tools for production

MATCH-AT including inBLOCK: extremely flexible parameter setup and most detailed reliability analysis now combined with the high degree of automation in georeferencing with MATCH-AT.

DTMaster including DTMExtension: Massive batch processing capability for filtering, classification, gap-filling and contouring now adds to the sophisticated automated and interactive point cloud editing tool DTMaster

Unlimited seam editor capability in OrthoVista lite

Free distributed processing computer pool management for ortho rectification and point cloud generation (requires one full license and additional "distributed processing licenses" per node for OrthoMaster or MATCH-T DSM)

New educational packages and research packages, e.g. educational offering for UASMaster enabling 2 seats

"MONITORING AND PROTECTING OUR ENVIRONMENT FOR FUTURE GENERATIONS USING SATELLITE IMAGERY"
REMOTE SENSING – SATELLITE TRIANGULATION

One of the major tasks for the future in the geospatial industry is to monitor what happens on earth in order to preserve our habitat for future generations.

No matter if we are talking about monitoring the deforestation, the melting of glaciers or the poles, vegetation health or urbanization as well as the legal aspects of land use and cadaster, we have to look into very large areas that are best covered and visualized with satellite imagery. Given the huge area they cover and the ease of plan and do the mission, satellite imagery also is very cost effective, and, if necessary, available within hours.
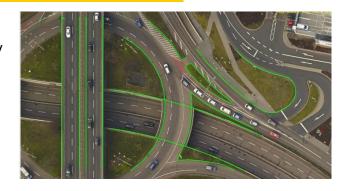
With the new **satellite triangulation capability in MATCH-AT**, Inpho creates the basis of a complete remote sensing workflow with point cloud generation, orthomosaic generation up to automated feature detection or image analysis with eCognition ESSENTIALS.

"CONTINUING OUR EFFORTS TO BUILD SOFTWARE THAT SIMPLIFIES WORKFLOWS FOR EASY AND HIGHLY PRODUCTIVE CREATION OF HIGH LEVEL DELIVERABLES"
PRODUCTIVITY AND DATA QUALITY

Considering the growing massive data volumes, the availability of software with simple and highly efficient automated workflows is essential. New functionality in Inpho 6.0:

New data checking functions for lines and polygons, offsets and parallaxes along with optional application of a personal independent height correction factor when doing 3D measurements in stereo.

Precise 3D digitizing with new automatic correlation-based or interpolation-based **terrain following mode**.

Exclusive UAS specialized **local ortho-editing** mode for highly effective and easy creation of perfect quality of UAS acquired ortho imagery.

High performance 3D point-cloud viewer to smoothly visualize billions of points.

Fully **automated LiDAR strip adjustment** to save unnecessary interactive time when processing Trimble AX acquired airborne LiDAR point-clouds into homogeneous high quality deliverables.

"THE EVOLUTION OF HARDWARE TECHNOLOGY SETS THE BAR FOR MORE SOPHISTICATED SOFTWARE TECHNOLOGY"
HIGHER LEVEL OF PRECISION

Hardware evolution is a rapid process. As camera resolutions and request for detail are constantly increasing, software has to follow by refining suitable math-models for modern sensors.

Inpho 6.0 comes with a higher level of precision through **refined correction models** and with a much **higher quality of point-clouds** showing low noise while maintaining rich detail that are generated with MATCH-T DSM or UASMaster.

"IMPROVED INTEGRATION INTO TRIMBLE AND 3RD PARTY WORKFLOWS"
INTEROPERABILITY

Geospatial professionals typically have to use a mix of tools to generate their application-specific deliverables. To enable a smooth workflow between different tools, the support of modern data and data exchange formats is essential.

Added formats in INPHO 6.0:

- Trimble geoid definitions
- Jpeg2000 compressed imagery
- LAS 1.4 as well as LASZip compressed point-cloud data
- EXIF support to extract data such as positions from image meta data
- Additional projections/ datum definitions/ geoids for Asia, Canada and the southern hemisphere