Trimble Mediaroom

Trimble Inpho Software Suite Extends Photogrammetric Deliverables for Broad Range of Geospatial Applications

Two New Capabilities Increase Flexibility for Photogrammetrists Generating Highly Accurate Deliverables

FRANKFURT, Germany, Oct. 16, 2018—Trimble (NASDAQ: TRMB) announced today a new version of its Inpho office software suite for photogrammetry. The suite includes two new capabilities:

- MATCH-3DX software for the creation of rich 3D point clouds and true orthomosaics
- MATCH-3DX Meshing add-on for the generation of photorealistic textured meshes

The announcement was made today at INTERGEO 2018, the world's largest conference on geodesy, geoinformatics and land management.

Inpho version 9 combines the classical photogrammetric capabilities of the existing MATCH-T DSM product with modern 3D workflows. The addition of the new products, plus continued enhancements, further establishes Inpho as a comprehensive software suite available for the production of photogrammetric-based deliverables.

The new MATCH-3DX software incorporates state-of-the-art Semi Global Matching (SGM) techniques that enable photogrammetrists to reach a new level of quality and precision when generating large scale point clouds and true orthophotos from aerial (frame) images. Through the high resolution data sets, photogrammetrists can more clearly identify edges of surfaces, such as building corners and roof lines, enabling the extraction of highly precise measurements, CAD objects or Digital Surface Models (DSM). The new True Orthophoto capability ensures that each image pixel is directly related to the terrain height, simplifying mapping and the overlay of GIS data, especially for urban mapping applications.

With the new MATCH-3DX Meshing add-on, photogrammetrists can generate highly accurate, photorealistic textured meshes that enable non-professionals to easily navigate and understand the real world environment. The 3D textured meshes provide an efficient data type for use within industry leading GIS systems and web-based 3D visualization services—often used for 3D city modeling, construction simulation and gaming applications.

"Inpho version 9 combines both classical photogrammetric processing with new true orthos and photorealistic textured mesh deliverables, all in a single software environment," said Tim Lemmon, marketing director of Trimble Geospatial. "Photogrammetrists can take advantage of the streamlined workflows and reduced training costs while having the ultimate flexibility to choose the workflow and deliverables best suited to their client's needs."

Availability

Trimble Inpho version 9 is expected to be available in fourth quarter of 2018 through Trimble's Geospatial Distribution Partners. For more information, visit: https://trimble.com/Inpho.

About Trimble Geospatial

Trimble Geospatial provides solutions that facilitate high-quality, productive workflows and information exchange, driving value for a global and diverse customer base of surveyors, engineering and GIS service companies, governments, utilities and transportation authorities. Trimble's innovative technologies include integrated sensors, field applications, real-time communications and office software for processing, modeling and data analytics. Using Trimble solutions, organizations can capture the most accurate spatial data and transform it into intelligence to deliver increased productivity and improved decision-making. Whether enabling more efficient use of natural resources or enhancing the performance and lifecycle of civil infrastructure, timely and reliable geospatial information is at the core of Trimble's solutions to transform the way work is done. For more information, visit: https://geospatial.trimble.com.

About Trimble

Trimble is transforming the way the world works by delivering products and services that connect the physical and digital worlds. Core technologies in positioning, modeling, connectivity and data analytics enable customers to improve productivity, quality, safety and sustainability. From purpose built products to enterprise lifecycle solutions, Trimble software, hardware and services are transforming industries such as agriculture, construction, geospatial and transportation and logistics. For more information about Trimble (NASDAQ:TRMB), visit: www.trimble.com.

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