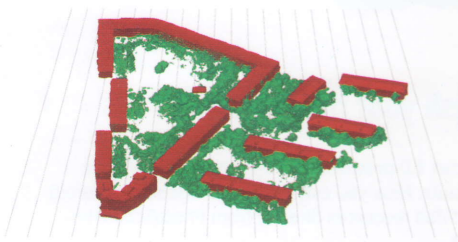# Agisoft PhotoScan

Agisoft PhotoScan 1.0

Smarter, faster and friendlier

Agisoft PhotoScan version 1.0 incorporates all the best features of Photo-Scan software you are accustomed to and offers you new capabilities to exploit the power of photogrammetric techniques to full extent.

Dense Point Cloud: Editing and Classification

PhotoScan 1.0 has a reconsidered workflow that includes a new Build Dense Cloud step. Advanced filtering algorithms produce almost noise-less point cloud that could be further edited within the PhotoScan environment. Automatic ground point classification capability makes it easy to export DTM, while full support of standard LIDAR classes provides additional flexibility in photogrammetric workflow.

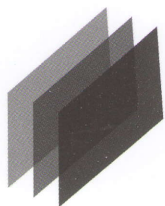### DEM: Sharp Features with Quality Interpolation

PhotoScan 1.0 includes improved DEM interpolation method for surface generation from point cloud. It maintains sharp point cloud features present in the model, filling missing regions in the reasonable and natural way. Supplementary settings help to customize interpolation procedure: switch it off completely or enable extrapolation outside the captured area.

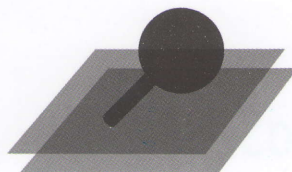### Orthophoto: Accurate Color Reproduction

Thanks to the improved blending method PhotoScan 1.0 produces seam-less orthophotos with accurate color reproduction. An optional brightness correction function enables to obtain perfect results even from datasets shot in poor weather conditions. It is capable of exposure variations and vignetting correction as well as reduction of BRDF-related issues.
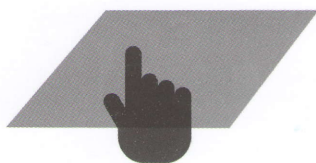
Other notable features

Multitexturing support

Multi-image texture generation allows to overcome limitations on the level of detail due to the maximum allowable single texture size. This gives way to far more detailed PDF files with 3D content export.
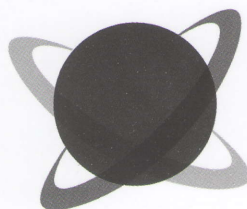
Automatic Image Quality Estimation

New automated image quality inspection function enables quick location of blurry and out-of-focus photos, which facilitates further quality processing.

More functional user interface

Photos pane gets a functional update with new detailed display mode and extra filtering options. New context menu in the main 3D view provides instant access to frequently used commands. Predefined views support in Model view adds even more to user convenience.

Publish your models online

PhotoScan 1.0 provides new opportunities to share your results. Now you can publish 3D models at Verold or Sketchfab resources directly from PhotoScan environment.

Agisoft

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