

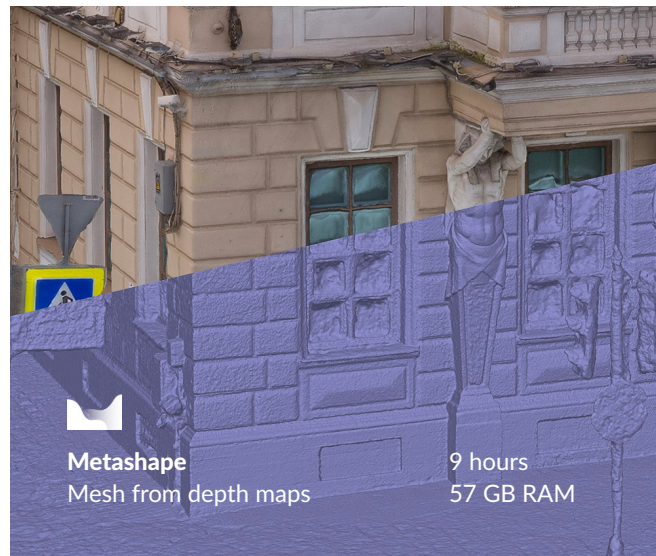
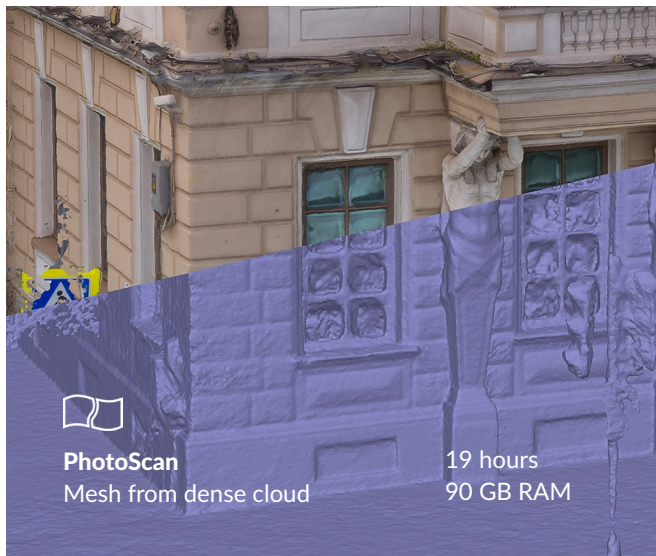
Agisoft

Agisoft Metashape & Agisoft PhotoScan comparison

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Highly detailed mesh generation based on depth maps

Improved filtering during dense stereo matching helps to reduce noise on the final surface while preserving thin structures within the scene. New depth map based mesh generation method works directly with depth maps data, which allows to reconstruct exceptionally detailed geometry thanks to utilization of all the information available. GPU acceleration support significantly speeds up the processing, while out of core implementation greatly reduces memory consumption compared to previous versions.



The figures refer to processing of 730 images (16 Mpx) in High quality, covering all necessary processing steps.

Automatic multi-class dense point cloud classification

Agisoft Metashape is enriched with machine learning techniques to solve the crucial task of higher-level interpretation of the scanned data. Semantic classification feature automatically groups photogrammetric points into Ground, Vegetation, Building, Road, Car and Man-made classes.



We plan to gradually improve the quality of automatic classification as more hand-labeled training data gets prepared. Interested users can help to speed up this process by sending to us labeled dense point clouds according to the guidelines published in the [Tips & Tricks](#) section on our website.



Cloud processing option

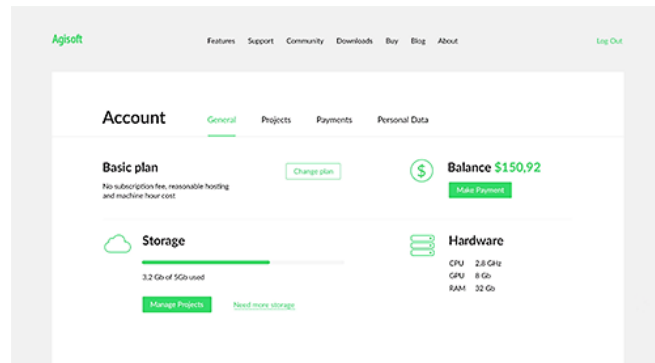
Metashape is optimized for multi-core CPUs and multi-GPU systems for fast generation of the results. Distributed processing on a HPC cluster helps to speed up all the calculations for massive data sets even further.

Processing options

- Local processing
- Network processing for large projects
- Cloud processing

Metashape

PhotoScan



Agisoft Metashape 1.5 presents cloud processing option integrated in the application user interface for those who don't want to invest in the hardware infrastructure. Different payment plans are offered depending on the project demands.



Update from PhotoScan to Metashape is completely free and does not require any additional payments from the licensed users.

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