PHOTOMOD 7.1.3505 – 7.2.3544

New functions

General

- Point cloud (LAS) calculation from satellite imagery
- Point cloud calculation from ADS data
- Satellite images projects. Tie point measurements reliability is significantly increased
- On-line notifications about new functions and fixed errors
- Multiband images support for every stage of photogrammetric processing
- Color balancing on AT processing step with further using in the output products
- Bundle adjustment. Systematic errors calculation "along flight direction"
- Orthomosaicking. Cutlines algorithm modifications

Aerial triangulation

- Speeding up distributed tie point measurements
- Block layout correction in cases of "horizon-oriented" images (very oblique)
- Feature-based algorithm for ADS data
- Using project layers for automatic GCP measurements (from ortho and DEM)

Satellite imagery

- Batch mode for Pan-sharpening while the project creation
- PeruSat sensor support
- "Preliminary block adjustment" option for blunder detection.

Digital terrain and surface models

- New point cloud filters
- Batch 3D TIN creation for PHOTOMOD project currently opened
- DEMs "comparison" inside selected vector polygon
- DSM median filter acceleration
- Modifications of LAS normals calculation algorithm
- Bilateral DEM filter as a separate operation
- Optimization temporary data deleting while DSM building

3D feature extraction

- User-defined length / width parameters for "rectangle" CAD object
- Attribute type selection when writing Z values above DEM to the attribute
- Merging vector resources with classifiers
- New parameters of "objects around points" operation
- Color inversion capability in the stereowindow

Orthorectification and mosaic
- New parameters of useful areas creation process

3D modeling (PHOTOMOD 3Dmod)

- Work area external texture support (clouds, sky, etc..)
- New tool of edge selection when changing grid and texture coordinates
- Batch 3D-TIN (json) export to popular formats
- Export of 3D-TIN to Cesium 3D Tiles format
- Error in 3D-TIN export with coordinate system recalculation is fixed

TrueOrtho

- Color balance improvements
- The error of filling holes in grayscale TrueOrtho is fixed

DustCorrect
- MSTIFF and MegaTIFF (no compression) formats are supported
- An option «do not change time/date» while editing is added

Import-export
- Batch export of resources of not-open project
- Keeping type of control / check / rejected points (import of measurements)
- Saving Z-coordinate to "Elevation" code (export to DXF)
- Batch export. Capability of coordinate system recalculation

PHOTOMOD AutoUAS
- User-defined RMS of projection center coordinates
- Export of 3D-model to Cesium format