



PHOTOMOD 7.51.4520-8.0.4787

New functions

General

- DPW PHOTOMOD for the Astra Linux 1.7.x operating system
- Import/export of adjacent projects in Block Exchange XML format
- Compensation for the effect of Rolling Shutter
- GPU support in PHOTOMOD Conveyor
- A new 3D-window with the ability to open all types of data
- New selection modes in the LAS-viewer
- LAS buildings and vegetation filter
- Improving the quality of the neural network classification of the point cloud
- Work directly with PhaseOne IIQ images

Aerial triangulation

- Use correlator by absolute value in the Area correlator settings
- Fixed error where the derivative for physical distortion was incorrectly calculated
- Fixed error when Y-parallax values were not displaying in the «Triangulation points» window with the «Points on open images» mode
 - Fixed error that caused a Windows system message appeared when working with the Relative Orientation Report
 - Fixed error when the distance to the nearest points was not taken into account when using the Area correlator

Satellite imagery

- The function of Image compression when using batch Pan-sharpening
- Lee filter to reduce «graininess» in images in the Radiometry window and Raster Converter
- New Pan-sharpening window
- Pan-sharpening Support for SkySat data
- Support of the new version of the GaoFen-7 sensor
- Support of the new version of the SuperView data
- Fixed the Pan-sharpening with georeferencing for «StilSat» data
- Fixed error where incorrect Pan-sharpening results taking into account the background color



- Fixed error in GaoFen-7 satellite data reading
- Fixed error displaying data in the «Image list...» window for satellite projects

Orthorectification and mosaics

- Option to use the Height above ground as a DTM type
- Updating saved tags in GeoTIFF
- Taking into account of useful areas when determining the sheets boundaries
- Fixed error of incorrect display of the background color of the output orthophotos during preview
- Fixed the error of displaying transparent background color
- Fixed error that caused the double sheets to shift in longitude for Northern latitudes during Split into sheets
- Fixed error when the moving buttons for DEM layers didn't work during orthorectification
- Fixed error in the «Redraw preview on editing» option in GeoMosaic

Digital terrain and surface models

- New classes for point clouds
- Ability to display only selected point cloud classes
- Option to overwrite point «intensity» attribute when colorizing a point cloud Option to delete «invisible» points in the cloud during colorization
- Speeded up the work of the «Merge DEM...» window
- Fixed the operation of the «Transform to another coordinate system...» window
- Fixed error where the DEM size was not updated when changing GSD
- Fixed error of displaying the histogram based on the DEM
- Fixed Smooth interpolation of a DEM within the boundaries of selected polygons
- Fixed error when the «Offset of sheet» parameter was not taken into account during Split DEM into sheets
- Fixed error when using the DEM editing option “Cut inside area”
- Fixed error in recalculating the output pixel of the DEM when transforming from the UTM Coordinate System to Latitude-Longitude
- Fixed error when the boundaries of the DEM were calculated incorrectly when transforming to another coordinate system for northern latitudes

Stereovectorization

- Optimized column width in the Classifier window
- Removed limits for numeric fields in parameters of the buffer zone of vector objects
- Fixed error when the World Atlas was not created as a vector layer
- Fixed error when values were not added for an attribute of integer type
- Fixed error when the “Color by attribute value...” option did not work



2D and 3D windows

- Synchronized palettes for the 2D and 3D windows in the block scheme

3D modeling (PHOTOMOD 3D-Mod)

- Saving videos in MPEG-4 format
- Fixed error where editing black and white textures in the image editor was not supported

PHOTOMOD GeoCalculator

- Function for calculating datum parameters
- Opening a web map with points entered into the GeoCalculator
- New logic for searching coordinate systems in GeoCalculator
- Opening GeoCalculator through the System Monitor context menu
- Added Uzbek coordinate systems
- Fixed error when importing coordinate systems with unspecified angle format

RasterConverter

- Fixed error when the number of images in project was incorrectly displayed when distributed pyramid creation
- Fixed error when the GeoTIFF georeference was not written

Import/ Export

- Fixed encoding of line template for Import/Export of CSV format

Project Manager

- Added new web maps: Roscosmos Map, ESRI
- Profile list optimization
- Optimization of the context menu for the list of layers in the project
- Added Log cleanup setting
- Added display of the number of selected objects in the «Objects list» window
- Updated translation for the «Restore project» option
- Zoom in/ zoom out via hotkeys Ctrl+Alt+Mouse Wheel in triangulation point measurement window
- Removed limits for numeric fields in parameters
- Fixed a typo in the name of the LZW compression algorithm
- Fixed error when the DPW PHOTOMOD didn't start if there was a Cyrillic symbols in the installation folder name
- Fixed error when the hotkeys Ctrl + Alt + Mouse Wheel (Zoom in / Zoom out) for the block scheme did not work
- Fixed error when the PHOTOMOD Conveyor icon was not created