



# PHOTOMOD 7.51.4520-8.0.4703

## 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

### Aerial triangulation

- Use correlator by absolute value in the Area correlator settings
- Fixed error where the derivative for physical distortion was incorrectly calculated

### 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



## **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

## **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
- Fixed error where the DEM size was not updated when changing GSD
- Fixed error of displaying the histogram based on the DEM

## **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

## **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