



### Map

Efficiently map terrain with a variety of aerial imaging options for comprehensive coverage and accuracy.

#### FEATURES

Drone Imagery (Nadir/Oblique)
Aircraft Imagery
LiDAR
Camera Models
Integration of RTK data from exif metatags
Rapid Processing Option
LiDAR + Photogrammetric Deliverables



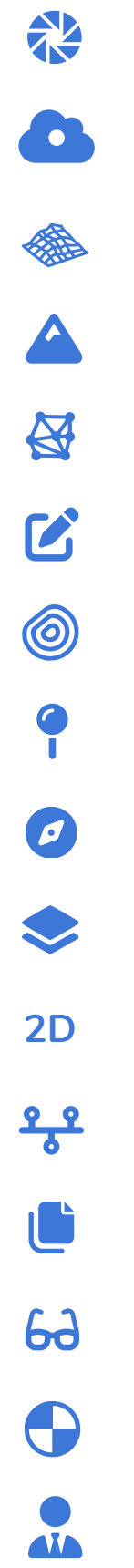
#### BENEFITS

Use nadir and oblique imagery captured from drones for comprehensive coverage to generate high resolution 3D models.
Capture imagery from aircraft for large-scale mapping projects.
Import and process LiDAR point cloud data for precise terrain modeling and analysis.
We support thousands of different camera types and are adding more by the day.
Seamlessly integrate RTK information from image metatags or external files for enhanced georeferencing accuracy.
Looking to get rapid results in the field? Find our rapid option and get results back in minutes, not hours.
Create true color point clouds, textured 3D meshes, and orthoimages by integrating imagery with your LiDAR data.

### Extract

Extract valuable insights from your data with features that enable detailed analysis and modeling.

Orthoimage
Point Cloud
Textured 3D Mesh
Digital Elevation Model
Generate bare earth TINs
Edit break lines on TINs
Generate Contours
Coordinate Systems
Digital Field Survey
Layer Manager
2D Drapes/Overlays
Project Timeline
DXF / LandXML Support
Stereo Photogrammetry
Reference Point Manager
Request Linework Drafting



Generate orthorectified imagery for accurate map creation and analysis. Correct image distortions caused by building relief and camera angles for true orthomosaics.
Extract dense point cloud data from aerial imagery and LiDAR scans.
Visualize reality on your jobsite with detailed textured 3D mesh models.
Generate high resolution Digital Elevation Models (DEMs).
Create bare earth TINs for precise terrain analysis.
Add, modify or delete breaklines on your TINs to better represent specific terrain features.
Create contour lines from elevation data to produce maps for surveying, engineering and environmental analysis.
Select from thousands of coordinate systems throughout the world, or use a localized system customized for your site.
Import ground shots from your GNSS or total station into the project for field check verification and editing.
Manage your different drawing features and codes under different layers and preserve your existing workflows for surveying
Overlay multiple project imagery datasets in 2D viewer to visualize the progression of a project site and mitigate future problems.
View different dates of your project side by side with our Timeline viewer.
Import your field linework or export your digital linework while preserving lines, curves, arcs, etc. We support and advocate for open land design formats.
Measure anything that is visible in imagery with our stereo photogrammetric measurement interface.
Use Ground Control Points, Checkpoints or Manual Tiepoints for your aerotriangulation.
Request our team to do the linework for your project.

### Deliver

Deliver your project outputs in multiple formats, ensuring accessibility and compatibility.

Multiple Export Formats
Reports & Documentation
Sharing & Stakeholder Engagement



Export your data and models in a variety of formats (obj, las, tif, tfw, jpg, jgw). Ensure compatibility with industry-standard software and GIS platforms.
Generate detailed Bundle Adjustment and Project Reports summarizing project findings, annotations and methodologies via PDF.
Enhance collaboration with sharing your projects with your clients.

### Support

Receive dedicated training and ongoing support from our expert team, ensuring you get the most out of PixElement.

Phone
Chat
Email
Language Support
Education



Talk with a real person! No elevator music or automated recordings. Get help from real humans.
Directly chat with product support specialists and product developers.
Have a question outside of working hours or on the weekend? Send us an email and we will follow up with you.
We support Spanish, Portuguese, German, French, Hungarian, Polish and Hindi, and are working to add more.
Access education resources, including tutorials and documentation empowering users to enhance their skills and proficiency leading to improved productivity and project outcomes.