


PIX4Dmapper

Photogrammetry:
surveying & mapping
from images


PIX4Dmatic

Photogrammetry:
terrestrial, corridor and
large scale mapping


PIX4Dsurvey

Vectorization
of point clouds


PIX4Dreact

Fast image stitching
for emergency
response


PIX4Dfields

Fast, accurate field
mapping with powerful
agronomic analysis
tools


PIX4Dcloud

Basic online drone &
terrestrial mapping
platform


**PIX4Dcloud
Advanced**

More accurate online
drone & terrestrial
mapping platform with
advanced tools

Platforms

Desktop processing	✓	✓	✓	✗	✓	-	-
Cloud processing	-	✓	-	-	-	✓	✓
API access	-	-	-	-	-	-	-
User management	-	✓	-	✓	✓	✓	✓

Inputs

Aerial nadir imagery .jpeg, .tiff	✓	✓	-	✓	-	✓	✓
Aerial oblique and terrestrial imagery .jpeg, .tiff	✓	✓	-	-	-	✓	✓
Video .mp4, .avi	✓	-	-	-	-	-	-
Multi-camera support for the same project	✓	✓	-	-	-	-	-
Point clouds .las, .laz	✓ to create a DSM based on an external point cloud	- to create a DSM and orthomosaic based on an external point cloud	✓	-	-	✓	✓
Orthomosaic .GeoTiff	-	✓	-	✓	✓	✓	✓

Orthomosaic .COG	-	✓	-	-	-	-	-
Pix4Dmatic file .p4m	-	✓	✓	-	-	-	-
DXF file (2D and 3D as objects)	-	✓	✓	-	-	✓ only 2D	✓
Geoid support	-	✓	✓	-	-	✓ if project is processed via PIX4Dcatch	✓ if project is processed via PIX4Dcatch

Outputs

Orthomosaic .tif (GeoTiff plus .tfw, .prj)	✓ plus .kml	✓ plus .jpg/.jgw	-	✓	✓	✓	✓
DSM .tif (GeoTiff plus .tfw, .prj)	✓ plus .xyz, .las	✓ plus LZW compression	-	✓ Low resolution DSM only	✓	✓	✓
DTM / DEM .tif (GeoTiff)	✓	-	✓ plus LandXML	-	-	✓ if uploaded from PIX4Dmapper	✓ if uploaded from PIX4Dmapper
3D point cloud .las	✓ plus .laz, .ply, .xyz	✓ plus .laz	✓ plus .laz, .xyz	-	-	✓	✓
3D textured mesh, .obj	✓ plus .ply, .dxf, .pdf, .osgb, .slpk, .fbx	✓ .ply, Cesium 3D tiles, .slpk; .fbx is not supported	-	-	-	✓	✓
Contour lines .shp, .dxf	✓ plus .pdf	-	✓ plus GeoJSON, zip ahp	-	-	✓ if uploaded from PIX4Dmapper	✓ if uploaded from PIX4Dmapper
Thermal maps .tif (GeoTiff), .shp	✓	-	-	-	✓	-	-
Reflectance map *.tif (GeoTiff)	✓	-	-	-	✓	-	-
Vector outputs (polyline, polygon, marker)	✓	✓ plus circle, polygon hole	✓ plus circle, catenary	✓	✓	✓ plus circle	✓ plus circle
Vector output formats	.dxf, .shp, .dgn, kml	.dxf, .dxf for Autodesk, .zip shp, .shp, .GeoJSON, .csv	.dxf, .shp, GeoJSON, ZIP SHP, .csv	.kml, .geojson, .shp	.kml, .geojson, .shp	.csv, .dxf, .shp, .geojson	.csv, .dxf, .shp, .geojson
Catenary curves vector output .dxf	-	-	✓ plus .dxf, .shp, .GeoJSON, .csv	-	-	-	-

Flythrough video	✓ .mp4, .mkv, .avi	✓ .webm	✓ .webm	-	-	-	-
Quality report .pdf	✓	✓	-	-	-	✓	✓
Industry specific report .pdf	-	✓	✓	✓	✓	-	-
TIN surface (LandXML)	-	-	✓ Plus .GeoTiff	-	-	-	-
Grid of points (Smart or equidistant) - .las, .laz, .dxf, .shp	-	-	✓ Plus .csv, GeoJSON and .zip (with .shp files)	-	✓	-	-
CSV export (Statistic report: mean and standard deviation)	-	-	-	-	✓	-	-

Features

Distance and area measurements	✓	✓	✓	✓	✓	✓	✓
Area measurements	✓	✓	✓	✓	✓	✓	✓
Volume measurements	✓	✓	✓	-	-	✓	✓
Volume report	-	-	✓	-	-	-	-
Volume comparison	-	-	-	-	-	-	✓
Elevation profile	✓	✓	✓	-	-	✓	✓
Virtual inspector	✓	-	-	✓	-	✓	✓
Timeline	-	-	-	-	-	-	✓
GCPs	✓	✓	-	-	-	✓	✓
AutoGCPs (automatic Ground Control Points marking)	-	✓	-	-	-	-	✓
Auto-mark (detecting targets without any input from the user)	✓	✓	-	-	-	-	-
Overlay tool	-	-	✓ 3d file import (.shp, GeoJSON, DXF)	-	-	-	✓ .ifc, .dxf
Orthomosaic comparison	-	-	-	-	✓	-	✓
3D comparison tool	-	-	-	-	-	-	✓

Automatic deghosting for orthomosaic	-	✓	-	-	-	-	-
CAD-ready vectorization (layers and properties)	-	✓	✓	-	-	✓	✓
Agriculture specific tools (See detailed list)	-	-	-	-	✓	-	-
Point cloud vectorization specific tools (see detailed list)	-	✓	✓	✓	-	-	-
Share-to-PIX4Dcloud	-	✓	✓	✓	✓	-	-
Offline licenses	-	✓	✓	✓	✓	-	-

Support

Personal email	✓	✓	✓	✓	✓	✓	✓
Community	✓	✓	✓	✓	✓	✓	✓