PIX4Dfields 1.9

FEATURE LIST

Features		Advantages
MSP images	🖥	Import images collected from multispectral sensors like Parrot Sequoia and the MicaSense RedEdge family (import as TIFF or JPG)
RGB images	🖥	Import images collected from standard RGB sensors (import as JPG or TIFF)
Pre-processed maps	🖥	Import orthomosaics or vegetation index maps already processed in other Pix4D products (import as geoTIFF)
Field boundaries	🖥	Import your field boundaries as single or multi-polygon shapes to focus analysis on your areas of interest (import as Shapefile, KML or GeoJSON)
Geotagged images	🖥	Import GPS tagged images as geolocated annotations directly on the layer as well as display annotation thumbnail directly on the map (import as JPG or TIFF)
Annotations	🖥	Import annotations that have been generated with other apps and overlay them in your project (import as Shapefile, KML or GeoJSON)

INPUTS (row label for the above group)

Features		Advantages
Field and Farm project organization	🖥	Organize your projects around the industry standard of Field and Farm, and include key information such as crop type and crop variety, etc
Fast mapping	🖥	Generate high-resolution orthomosaics and RGB composites, directly after flying. Offline and local
Rig relative calibration	🖥	Optional recalculation of the rig relatives to improve band alignment for supported multispectral cameras
Field boundary editor	🖥	Create your own field boundary, or import an existing one, and trim other layers based on the boundary
Index generator	🖥	Automatically generate predefined indices (BNDVI, GNDVI, LCI, MCARI, NDRE, NDVI, SIPI2, TGI or VARI)
Index calculator	🖥	Create your own custom indices by inputting an index formula, save and reuse with Data Sync
Zonation tool	🖥	Create custom zones based on information from vegetation index maps using the normal or high quality level and between 2 and 7 classes
Prescription tool	🖥	Create comprehensive application rate maps for a more targeted input with the prescription tool
Comparison tool	🖥	Compare different maps side-by-side using split or double screen
Annotations tool	🖥	Annotate crop focus areas, add descriptions, attach images or import geolocated images for additional context
Measurement tool	🖥	Measurement tools to quickly measure distances and areas for analysis in the field
Statistics	🖥	DSM, index layers, and their area annotations display mean and standard deviation. Point annotations display DSM and index layer values
Radiometric correction	🖥	Generate orthomosaics / indices that can be compared in different weather conditions when using multispectral imagery
Data synchronization	🖥	Synchronize your projects between multiple devices, so you can work with them on different computers and / or tablets
PDF report generator	🖥	Share your maps with all project stakeholders for seamless collaboration using the PDF report export tool
Export tool	🖥	Select some or all layers in your project and export them into a predefined folder on your computer
Advanced layer visualization	🖥	Adjustable histogram value ranges including equalization to provide control over data values of interest

FEATURES (row label for the above group)

OUTPUTS	Orthomosaic	🖥	A visual map of your field for crop scouting and assessment, set the desired output size (megapixel) and quality (GSD) (export as geoTIFF)
	Digital surface model	🖥	A map for indicating more detail about irrigation variability and pinpointing erosion prone areas (export as geoTIFF)
	Vegetation index maps	🖥	A map which helps indicate plant stress areas and can assist with crop protection and crop production workflows (export as geoTIFF)
	Zonation maps	🖥	A map that translates information from the vegetation index maps into a more operational layer (export as Shapefile, KML or GeoJSON)
	Prescription maps	🖥	A zonation map where each of the zones has a value for the Variable Rate Application (export as Shapefile, KML or GeoJSON)
	Field boundaries	🖥	Field boundaries help focus analysis to only your areas of interest (export as Shapefile, KML or GeoJSON)
	Annotations	🖥	Adding annotations to areas of interest helps convey more valuable and actionable information (export as Shapefile, KML or GeoJSON)
	PDF report	🖥	A report that aggregates all the information in your project for easy sharing (export as PDF)
	Statistics	🖥	Layer and annotation statistics can be exported as a standalone file (export as as CSV)
	Snapshot	🖥	Create a quick snapshot of the current map view which can be exported in compressed image formats (export as JPG and PNG)
MULTI-LINGUAL	Language Options	🖥	Application features and functionality now available in English, Chinese, German, Japanese, Spanish and Portuguese

2 | 2

HARDWARE SPECS

CPU: Intel® Core™ i3 or AMD Phenom processor (or faster recommended)

GPU: NVIDIA GeForce 2 GB RAM (or better recommended)

HD: Approximately 4GB HDD free space

OS: Windows 10 / macOS Catalina (10.15) or above

RAM: 4GB RAM (or 8GB recommended)

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Get in touch:
pix4d.com/fields