Pix4Dfields 1.5

FEATURE LIST

	Features		Advantages
INPUTS	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, TIFF or PNG)
	Pre-processed maps	🖥	Import orthomosaics or vegetation index maps already processed in other Pix4D products (import as geoTIFF)
	Field boundaries	🖥	Import your field boundaries to focus analysis on your areas of interest (import as Shapefile, KML or GeoJSON)
	Annotations	🖥	Import annotations that have been generated with other apps and overlay them in your project (import as GeoJSON)
FEATURES	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
	Zonation tool	🖥	Create custom zones based on information from vegetation index maps using the normal or high map detail 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 and attach images for additional context
	Radiometric correction	🖥	Create orthomosaics / indices acquired during different weather conditions comparable
	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
OUTPUTS	Orthomosaic	🖥	An intuitive representation of your field, key for scouting, insurance claims and basic crop assessment (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 GeoJSON)
	PDF report	🖥	A report that aggregates all the information in your project for easy sharing (export as PDF)

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 - High Sierra *(or newer recommended)*

RAM: 4GB RAM *(or 8GB recommended)*