Pix4Dfields

Fields 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)*

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