



	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 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)
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, 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
Share to John Deere Operations Center	Share directly to your John Deere Operations Center outputs from Pix4Dfields including orthomosaics, vegetation indices and zonation maps	

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
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HARDWARE SPECS



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



**HD:** Approximately 4GB HDD free space



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



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



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