












	Features	Advantages
INPUTS	Aerial images (nadir and oblique)	Geolocated JPEG images from the most popular drone manufacturers' cameras providing the recommended XMP tags (position and orientation)
	Video (Parrot Anafi only)	Automatically extracts still frames from videos (.mp4) to create a project
DATA PROCESSING	Automatic asset processing optimization	Obtain the best output quality for any type of asset (eg. cell tower)
OUTPUTS	2D outputs	Image map
		Elevation profile
		High-resolution images
	3D outputs	3D model
		Textured 3D model
ARTIFICIAL INTELLIGENCE BY DEFAULT	3D/2D Inspector	Click on any location on the 3D model or the Image map and get the most representative image containing the selected point so that you don't search the image yourself and save time
	Point cloud clipping	Trim the point cloud to include only the most essential data
	Master cameras	Reduce the number of images to inspect by displaying the minimum amount necessary to fully cover the digital twin.
	On-demand custom algorithm development and integration	Contact us to discuss developing or integrating custom algorithms to meet your specific needs
ARTIFICIAL INTELLIGENCE - TELECOM	Automatic detection of panel and microwave antenna poses	Automatically calculate azimuth, downtilt, plumb and height from ground and dimensions
	Panel antenna inventory	Including antenna properties and key pictures
	Microwave antenna inventory	Including antenna properties and key pictures
	Ancillary boxes inventory	Including properties and key pictures
	3D visualization of identified panel and microwave antennas	View the asset in 3D
INSPECTION TOOLS	2D and 3D data visualization	Visualize Image maps and 3D models using any web browser
	Distance, area and volume measurements	Measure distance, area or volume on the Image map or the 3D model
	Geolocated image position representation	Camera icon representing the location and camera orientation of each image is shown on the 3D view to give additional context when navigating the asset
	Image reviewed mark	Mark images as reviewed to give an overview of the asset
	Automated report generation	Export a report in .JSON and .PDF containing all the annotations, antennas, measurements, descriptions, and object screenshots. The report is automatically generated in the same language as the project. Option to add a custom logo.
	Image annotation	3D projection of the image annotation - the center of the annotated box is projected on the 3D model by giving you a marker of the exact location of the inspected area
		Image annotation box: represents the area impacted by the created annotation
		Type: select a pre-defined annotation or create a new annotation type to better catalogue your annotations
		Severity level: rank your severity level from 1 to 5 to highlight the importance of the image annotation
		Description: fill in additional information
	External link: link any relevant information or resource to the image annotation	

ASSET MANAGEMENT	Geolocation of assets in a map dashboard	 Intuitive file organization for smoother workflows
	Unlimited asset creation	 Create as many assets as needed
	Share assets with collaborators	 Align stakeholders with secure information sharing
	Selectable data processing and storage location	 Select data processing and storage location Use secure servers located in the US, Germany, Japan or Korea
MULTI-LINGUAL	Language options	 English, Japanese, French, Italian, Spanish and Portuguese (Brazil)
PIX4DINSPECT API	PIX4Dinspect Connect	 Connect your application to PIX4Dinspect. Upload images, create projects, trigger processing directly from your application, and visualize the projects within the PIX4Dinspect UI.
	Annotation management	 Use your expertise in detecting failures and combine it with PIX4Dinspect to create powerful inspections, e.g find defects in images and know exactly where it is located on the 3D.
	Input/Output/Reports download	 Ability to download the different inputs and outputs, as well as generate and download reports.
	Custom software integrations with 3rd party apps	 Contact us to discuss how PIX4Dinspect outputs can be automatically pushed in your 3rd party software