PIX4Dcatch 2.12

FEATURE LIST

			FEATURES	ADVANTAGES
CAPTURE	General	Capture screen	Automatically capture images and save them with their precise geolocations	Start capturing immediately—no deep photogrammetry skills required—simply press the capture button and walk around your area of interest. PIX4Dcatch will automatically record the images and generate a point cloud once the capture is saved. The live preview and dynamic live mesh offer guidance, helping you ensure comprehensive and accurate capture. Customize your experience with advanced settings for optimal results
			Pause and resume capture	
			Save or abort capture	
			Live preview during the capture	
			Display mesh during the capture	
			Quality report at the end of the capture	
	Settings	Capture settings	Customize the image overlap or the device pose	
			Warning sound messages	
			Auto focus	
			Skip low quality images	
		View	Display image overlap while capturing	
			Display camera views	
			Display feature points	
		Mesh	Display reconstruction mesh	
			Save mesh (OBJ format)	
			Change the mesh type and color	
			Change mesh and camera objects color	
		Other	Save video	
			Remove pause button	
CAPTURE TOOLS	Tag detection		Use tie point with the auto tag detection workflow and get their true coordinates afterwards	Automatically identify Pix4D Autotags during capture, streamlining the GCP workflow and improving project absolute accuracy. Obtain the coordinates of your auto tie points by simply placing the targets on points of interest and then generate a point collection ready to be exported
			Import a point collection and use GCPs for the project with the auto tag detection workflow	
			Optimization of tag detection after the capture	
	AR points		Display points in augmented reality with an RTK device connected	Easily find GCPs with AR points or use it to follow a line while capturing (underground utilities, image path, etc)
		AR settings	Turn on or off the lines displayed between the points	
			Turn on or off the point labels	
	PIX4Dcloud AR	PIX4Dcloud project list	List of PIX4Dcloud projects	Augmented Reality (AR) enables post-capture project visualization, ideal for trench inspections, plan-to-as-built comparisons, and thorough documentation of your projects
			Filter project by type [sites or datasets]	
			Order project by name or by date	
			Search projects	
		AR display	Adjust the opacity of the AR project with the slider	
			Display PIX4Dcloud layers and see their properties	
			Display PIX4Dcloud projects with Autotags in AR (including indoor)	
RTK CONNECTION			RTK accuracy indicator (if not connected to RTK, GPS strength indicator is displayed)	Use the RTK devices of your choice and get RTK corrections to ensure an accurate and geoloacted dataset
			Connection to an RTK device compatible with PIX4Dcatch (Emlid Reach RX, Trimble Catalyst DA2, BadElf, Leica FLX100, Topcon HiPer CR, viDoc)	
			Easy camera offsets setting when using a case, either SPC or SPC+, and using correct rover handle	
			Manual camera offsets	
			Enter of the NTRIP credentials	
			Selection of the mountpoint	
			Selection of the NTRIP input coordinate reference system	
			Create multiple RTK profiles with different RTK devices and NTRIP settings	
PROJECTS	Projects Dashboard		List of projects	Explore a visual interface where you can effortlessly manage all your projects—whether captured or processed on PIX4Dcloud. View your projects in a dynamic 3D viewer, including various tags for RTK, GPS, GCPs, or MTPs, and understand RTK accuracy levels for each capture. Enhance the absolute accuracy by adding manual GCPs directly within your projects. Utilize powerful project management tools to search, filter, multi-select, and modify projects or images as needed
			Filter project by status	
			Search projects	
			Select and delete multiple projects	
			Refresh the project panel by dragging down	
	Project View	3D view	Display a 3D view of the captured point cloud	
			Enable different tags for RTK, GPS, GCPs or MTPs	
			RTK accuracy per image classified into three levels: ·Optimal , ·Reduced , or ·Low	
			Customize your view by toggling RTK accuracy, cameras, point clouds, meshes, and 3D model centering	
			Compute the texture	
			Show a 3D view of the processed point cloud from PIX4Dcloud	
			Generate a dense point cloud	
		Images	List of images	
			Select and delete multiple images	
			Project text records	
		Details	Date of creation	
			Image coordinate reference system	
			Number of images	
			Geolocation source	
			RTK accuracy confidence percentage	
			Horizontal and vertical average accuracy	
			Used storage	
		Option	Rename projects	
			Delete projects	
	Project Tools	Manual GCP marking	Select a point collection	
			Add marks on images	
			Save the marks	
		Volume computation	Densification of the point cloud	Compute on site volumes of your choice and get instantly their values and accuracies. No need anymore of waiting long time to get your project processed and no need anymore of computing your volumes in post-processing, with this volume computation directly integrating in PIX4Dcatch without compromising the accuracy, you can obtain values directly on site. Fast, accurate and easy to use, you will be able to give direct feedbacks on site and avoid extra costs and delay on your project
			Define the volume base by drawing points in the area of interest	
			Automatic volume computation	
			Cut and filled volumes displayed: values, shapes and accuracy	
			PDF export of the results	
			Set a name, rename and delete computed volumes	
		Detailed annotations	Add a name, description (optional) and/or an image (optional) to an annotation	Add annotations directly in PIX4Dcatch after the capture to documentate your project with important information you want to save on site. Add an image and a description and send them directly to PIX4Dcloud
			Select a location by pointing on the point cloud	
			Visualize and edit the annotations via the layers structure	
			Upload the annotations in PIX4Dcloud with the captured dataset	
EXPORT	Project		Export all data (ZIP file) for a single project or for multiple project	Export all your data to be able to process them on PIX4Dmatic or export only individual outputs
			Export points and marks for GCPs	
			Export captured point cloud (PLY file)	
			Export captured mesh (OBJ file)	
			Export logs	
			Export dense point cloud (GLTF file)	
	Point		Export measured point (ZIP file)	Export your measured points and save them on your desktop or upload to the cloud, export and save your site localization WKT file to be able to process any dataset with a custom coordinate system on with PIX4Dmatic
			Export site localization coordinate system (WKT file)	
			Export Autotags tie points coordinates with their accuracies	
UPLOAD TO PIX4Dcloud	General		Upload one or several projects	Easy, fast and accurate: upload the PIX4Dcatch dataset to PIX4Dcloud and view your project after processed. Customize your processing settings for specific needs and deliverables
			Upload project to an organisation	
			Upload project to an already existing site or create a new one	
			Upload project to an already existing folder or create a new one	
	Processing options		Process with Gaussian Splatting technique	
			Compute a DSM model of the area	
			Compute an orthophoto of the area	
			Process with GCPs and/or MTPs	
			Select the output coordinate reference system (projected or a site localization) and filter them by project's location	
SURVEY	Point management		Create a point collection with a defined CRS (planimetry and altimetry) and filter the CRS by user's location	Capture and measure points for use as GCPs to anchor your project or simply as points of interest
			Create a site localization coordinate reference system	
			Import points with a defined CRS (planimetry and altimetry)	
			View points on a map	
			Rename points	
	Measure point		Enter the antenna height when using a GNSS pole	
			Add a reference photo (optional)	
			Add a description (optional)	
			Change the measurement duration	

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