FOXTECH 3DM PSDK Cube Oblique Camera User Manual

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Intellectual Property

Product Brief Introduction

Foxtech 3DM PSDK-Cube is a light, intelligent and easy-to-use 3D modeling oblique camera with total 121.5 mega pixels developed based on DJI PSDK. With DJI SKYPORT interface, the 3DM PSDK is fully compatible with DJI M300RTK, M210RTK and M200 industrial UAVs, which can be used to generate high-precision orthophoto maps and digital elevation models in many fields such as territorial planning, urban and rural construction, emergency rescue etc.

- High-strength aluminum alloy, only 680g weight.
- Ground control point: 100% exempt(with DJI aircraft that supports RTK)
- Original precise measurement technology,the data accuracy can reach 1cm.
- Completely solve the problem of missed shooting and photo lost,ensure the data reliability and integrality.
- With pre-processing software,automatically collect and organize original photos,one-key data post-processing.
- Compatible with mainstream data processing software such as CC and DJI Terra.

Specification			
Single pixels	24.3 mega pixels	Total pixels	121.5 mega
Pixel size	3.92microns	Number of lenses	5
Sensor size	23.5*15.6mm	Camera weight	680g
Frame	APS-C	Camera size	10.3*10.3*13cm
Resolution	6000*4000	Storage	320G
Shutter speed	1/1000s	Communication inter- fa ce	DJI SKYPORT
Shutter trigger mode	Flight control signal trig ger	Data interface	TYPE-C
Shutter type	Mechanical shutter	Working temperature	-20℃ ~50℃
Stable continuous sho oting interval	≥0.8s	Product material	Aluminum alloy
Focal length	25mm+35mm	Compatible aircraft	DJI M300RTK, M210RTK, M200
Features			
Time synchronizationalgorith m	Time Sync	Accuracy in modeling	meets the national 1:500 accura- cy standard
Photo anti-lost algo- rit hm	Instant Shot	Ground station software	DJI Pilot
Camera repair algo- rit hm	Regular Repair	Firmware upgrade meth- od	Online upgrade
Photo collection algo- r ithm	Auto Folder	Data processing soft- wa re	CC and DJI Terra
Ground control point	100% exempt	International certifica- tio n	Fcc CE ROSH

Application

Urban and Rural Planning
Provide professional and efficient overall solutions for 3D modeling, urban renewal and reconstruction, countryside construction etc.

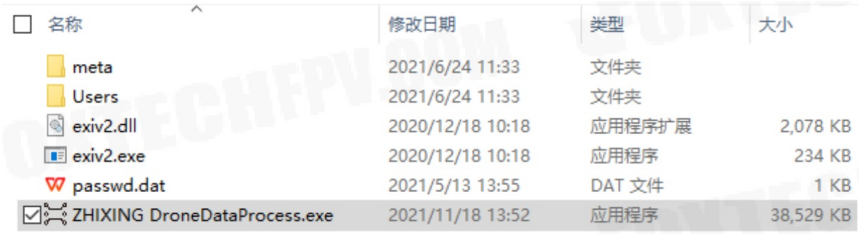
3D Smart City
Provide city-level digital image maps to perfectly display the city's 3D space and provide a data foundation for smart analysis and application.

Public Security
Provide a variety of data results such as high-precision orthophoto maps, digital elevation modes, and three-dimensional real-world models to meet the needs of public security electronic sand tables, hidden terrain reconnaissance, emergency real-time command.

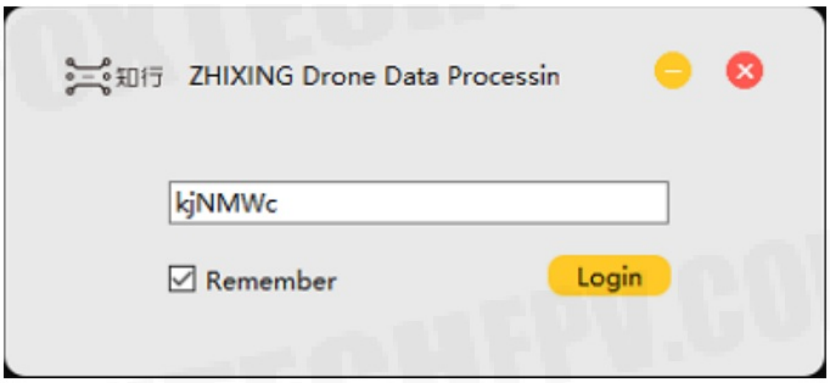
User Manual of ZHIXING

This software is used to pre-process the data of 3DM PSDK-Cube, so the photo can be directly used in DJI Terra and CC to generate 3D model.

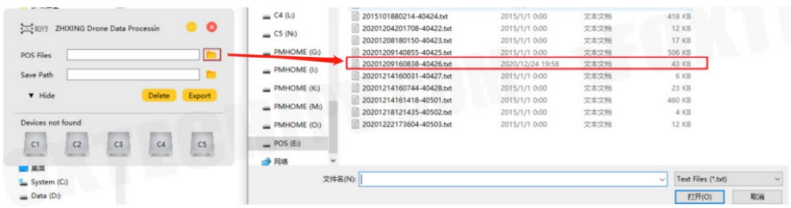
1. Decompress the file, don't change the name of the files in folders.



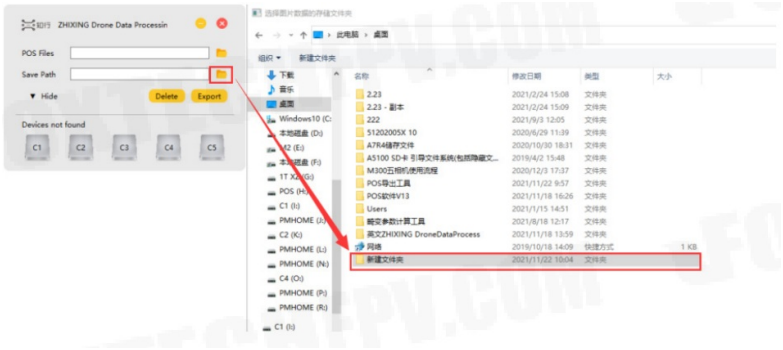
2. Start the software and enter the password kjNMWc.



3. Select the flight data you want to export, use Ctrl+left mouse button to do multiple selection.



4. Select the folder you want to export the photo to



5. Click on “Export” and wait for it running, click on “YES” when the export process is completed.
6. Check the exported photos.

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Documents / Resources

	FOXTECH 3DM PSDK Cube Oblique Camera [pdf] User Manual 3DM PSDK Cube Oblique Camera, 3DM, PSDK Cube Oblique Camera, Cube Oblique Camera , Oblique Camera, Camera

References

- Foxtechhobby (@foxtech_drone) • Instagram photos and videos