



SHARE UAV

PSDK 102S

5 LENS AERIAL OBLIQUE CAMERA



PSDK 102S five-lens aerial oblique camera, designed by SHARE UAV, is a new generation mapping camera can realize drone surveying and mapping with no GCPs used. Camera is seamless docking with DJI Matrice 300 RTK through SkyPort. Using CNC designed housing makes PSDK 102S have better heat dissipation, smaller wind resistance coefficient, stronger structure, which is more conducive to aerial survey flight. Besides, PSDK 102S also has intelligent self-test, one-key reset, intelligent heat dissipation, real-time image transmission and other functions.



Independent
POS Data



High-precision
Imaging



Double Distortion
Correction



Real-time
Orthophoto Image

-Lightweight Camera Body

The volume is only 140 x 140 x 80 mm and the weight is as light as 650 g, which effectively reduces the flight weight and improves the flying duration and operation efficiency.

-Independent POS Data

The five lenses independently collect POS data, and the POS data is accurate to 1 cm. It is compatible with DJI Terra, which can achieve survey with no GCPs used, greatly improve data accuracy, and the efficiency of internal and external operations.

-Easy Mounting

PSDK 102S is mounted to DJI Matrice 300 RTK through SkyPort which is integrated with power, RTK signal connection, data transmission, image transmission.

-Simple Operation

PSDK 102S can be easily controlled on DJI Pilot directly.

APPLICATIONS



Cadastral Surveying: PSDK 102S can realize survey with no GCPs used, and its independent POS data accurate to 1cm can meet the cadastral surveying and mapping requirements for accuracy.

Topographic Measurement: PSDK 102S has clear imaging and true color reproduction which can provide accurate topographic measurement data and apply it to the ground qualitative exploration, mineral development and river survey and other scenarios.

Planning and Design: In the planning and design of infrastructure construction in smart cities, beautiful rural construction, architecture, water conservancy, transportation, etc., PSDK 102S can provide accurate measurement and mapping data, and generate high-quality 3D models as basic data for later applications.

SPECIFICATIONS

General	
Size	140 x140 x 80 mm
Weight	≤ 650 g
Camera	
QTY of Lens	5 pcs
Focal Length	35 mm
Effective Pixels	24.3MP;total pixels≥120MP
Sensor Size	APS-C (23.5mm x 15.6mm)
Lens Angle	45 degree
Pixel Size	6000 x 4000
Exposure Interval	≥0.8 s
Storage	1280 GB
Electrical	
Power Supply	SkyPort
Power On / Off	Auto On / Off
Data Reading	USB3.0 Type-C
Working Environment	
Operating Temperature	-10°C~50°C
Humidity	95%

SUPPORTED PRODUCTS

DJI MATRICE 300 RTK

DJI M300 RTK can flight above 55 minutes and there are lots of new smart functions. It leads unmanned aerial vehicle to new level.

ABOUT DJI SKYPORT

PSDK - bring your tools to the sky. Integrate any payload – sensors, robotic components and more – with DJI's leading industrial drone platforms to bring your business to new markets.

ABOUT SHARE UAV

SHARE UAV is a brand of SHENZHEN SHARE UAV TECHNOLOGY CO., LTD. Established in Jinan and set up a global research center in Shenzhen. SHARE UAV has focused on aerial oblique camera technology and innovative drone surveying solutions for years.

ORDER NOW

The PSDK 102S is available for order through official DJI distributors. For more information, please visit our website at <https://www.dji.com/products/enterprise#payloads>
Or contact enterprise@dji.com for more information

ABOUT DJI ENTERPRISE

DJI Enterprise is a global team dedicated to developing world class drone solutions for a new generation of work. These solutions help businesses across the agricultural, infrastructure, public safety sectors and more to empower workers, enhance jobs and digitize operations.

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