SHARE

SHARE 5 Series Aerial Survey Camera

Efficient Fieldwork, Superior Modeling





Cost-effective 3D Mapping

SHARE 105S PRO

130 MP Half-frame 5-lens Oblique Aerial Camera



City 3D Mapping

SHARE 205S PRO

225 MP Full-frame 5-lens Oblique Aerial Camera



Large City 3D Mapping

SHARE 305S PRO

305 MP Full-Frame 5-lens Oblique Aerial Camera



A Camera Masterpiece, Destined for the Sky

SHARE 505S PRO

510 MP Medium-format Aerial Camera



The World's First Camera Adapted to DJI Matrice 400

Hardware interface, supporting firmware, software communication protocols through the full docking M400 new platform architecture, easy to realize the hang and fly, system through, rapid deployment.



Flagship Image Processing Chip

The camera is equipped with a 5nm flagship-grade image processing chip, which has stronger image perception and data processing capabilities, bringing better image consistency, modeling accuracy and light adaptability for aerial survey operations.



Comprehensively Cover Diversified Surveying and Mapping Scenarios

From rural housing mapping and township block data collection to high-precision modelling of district and county high-rise buildings, and from city-level real-scene 3D modelling to thousands of square kilometres of whole-area digital twin construction,SHARE 5 Series is perfectly adapted to the needs of different levels of real-scene 3D modelling.

Data collection accuracy: 3cm GSD, 80% Front Overlap, 70% Side Overlap, including margin coverage beyond the target area. Based on summer conditions in the southeastern coastal region of China, the operational time is from 09:00 to 17:00 local time.

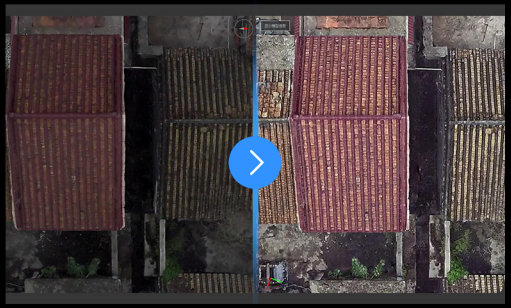
Camera Model	Drone platform	Flight Altitude (m)	Flight Speed (m/s)	Flight Duration (min)	Photo Interval (s)	Number of photos (set)	Single Flight Coverage Area (km^2)		Daily Survey Area (km^2)	
PSDK 102S V3	M350	200	15	20	1.6	663	0.82	Flight efficiency increased by 95%	13.12	Daily efficiency increased by 71%
SHARE 105S PRO	M400	200	25	25	1	1219	1.6		22.4	
SHARE 203S PRO	M350	272	15	20	2.2	481	1.12	Flight efficiency increased by 71%	17.9	Daily efficiency increased by 60%
SHARE 205S PRO	M400	272	25	22	1.3	831	1.9		28.6	
SHARE 304S PRO	M350	318	15	18	2.6	384	1.2	Flight efficiency increased by 75%	20.4	Daily efficiency increased by 75%
SHARE 305S PRO	M400	318	25	20	1.5	651	2.1		35.7	

Higher Quality, Efficient and Speed in Aerial Survey Missions

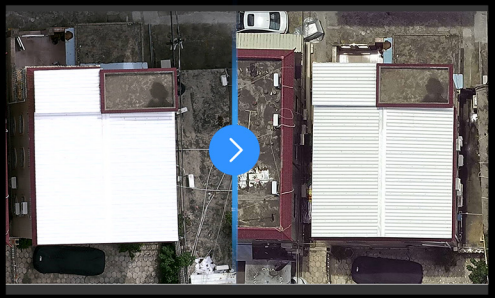
SHARE 5 Series of aerial survey cameras support DJI Matrice 400's 25m/s high-speed aerial survey operation, and under the requirement of 3cm GSD, the area of operation in a single day is greatly improved compared with the previous generation of solutions.



Higher Auality 3D Modeling



Low light and Shadow Area Can Be Modeled Delicately



Clear and Stable Modeling in

Strong Light Environment



High Color Consistency in

Large-scale Modeling



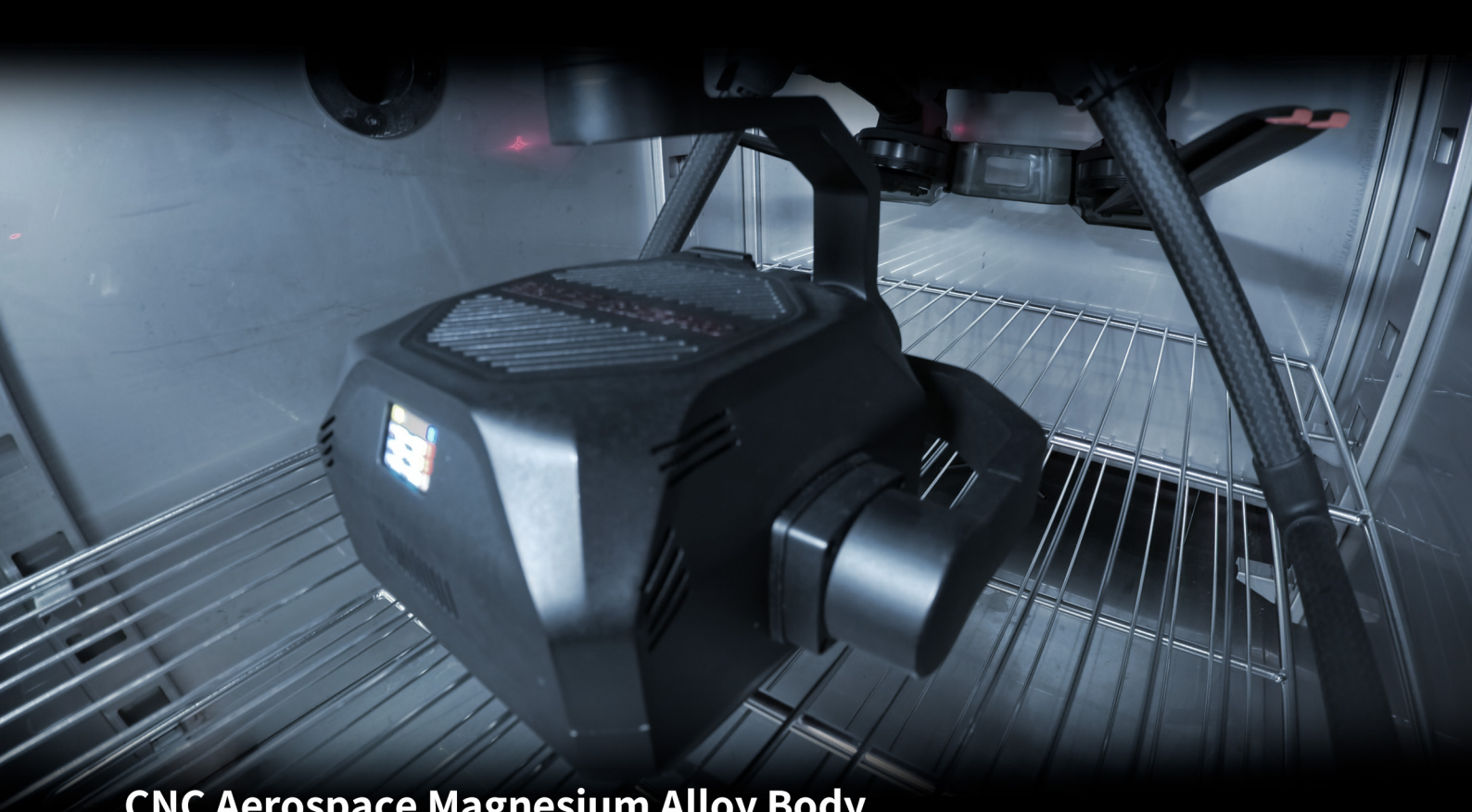
Excellent Modeling of

Linear Structure Objects



Five-lens Synchronized HD Real-time Live Video

The pioneering industry-first five-lens synchronized HD real-time live video, supporting any -view and five-view 4K/1080P dynamic code stream map transmission display, which makes the operation observation more comprehensive and efficient.



CNC Aerospace Magnesium Alloy Body

The new CNC aerospace magnesium alloy lightweight fuselage is designed to be stable and reliable in extreme environments such as high temperature, humidity and cold.



Easy Control of Massive Data

Standardly equipped with two industrial-grade SSD storage modules with 2TB capacity, it supports multipe-sortie unified data management, and the data copy speed exceeds 1GB/s, which significantly shortens the data delivery time.

Camera Parameter Settings	Twilight	Cloudy	Sunny	Strong Light
Shutter Speed	1/500~1/800	1/800~1/1000	1/1000~1/1600	1/1600~1/4000
ISO	100~6400	100~3200	100~800	100~400
Sharpness	Default is 0 + value: Enhance edge clarity, suitable for capturing details			
Contrast	Default is 0 + value: Improves the contrast between light and dark, suitable for cloudy days or low-contrast scenes - value: Preserves highlight/shadow details and avoids overexposure of strong light.			
EV	Default is 0 + value: Brightens the image (for backlighting) - value: Prevents overexposure (such as snowy scenes or strong light)			
Saturation	Default is 0 + value: Enhances Color Saturation, suitable for landscape or dark scenes - value: Pursue naturalness or post-adjustment			
White Balance	Sunny (cool tone)		Cloudy (warm tone)	
Color Mode	Vivid: Colors are more vibrant and saturated. Standard: Colors follow the standard mode.			

More Camera Parameters Adjustable

New settings for camera parameters such as EV value, saturation, contrast, sharpness, etc. are added to help you customize aerial survey images and flexibly adapt to multiple application scenarios.

Product Parameters

Product Name	SHARE 105S PRO
Recommended Aircraft	DJI Matrice 400, multi-rotor drones and fixed-wing
Camera Power Supply	External power supply DC12-50V
Camera Interface	DJI Skyport, Universal interface, USB-C interface
Effective Pixels	Total pixels ⩾ 130 million
Sensor	Sensor size 23.5*15.7mm, pixel size 3.76×3.76μm
Focal Length	Fixed focus Oblique :35mm Down-view: 25mm
Shutter Life	500,000
Storage Capacity	Industrial Storage Hard Disk 1280GB

Product Name	SHARE 205S PRO
Recommended Aircraft	DJI Matrice 400, multi-rotor drones and fixed-wing
Camera Power Supply	External power supply DC12-50V
Camera Interface	DJI Skyport, Universal interface, USB-C interface
Effective Pixels	Total pixels ⩾ 225 million
Sensor	Sensor size 36*24mm (full-frame), pixel size 4.4×4.4μm
Focal Length	Fixed focus Oblique :56mm Down-view: 40mm
Shutter Life	500,000
Storage Capacity	Industrial-grade SSD, 2TB

Product Name	SHARE 305S PRO
Recommended Aircraft	DJI Matrice 400, multi-rotor drones and fixed-wing
Camera Power Supply	External power supply DC12-50V
Camera Interface	DJI Skyport, Universal interface, USB-C interface
Effective Pixels	Total pixels ⩾ 305 million
Sensor	Sensor size 36*24mm (full-frame), pixel size 3.76×3.76μm
Focal Length	Fixed focus Oblique :56mm Down-view: 40mm
Shutter Life	1000,000
Storage Capacity	Industrial-grade SSD, 2TB

Product Name	SHARE 505S PRO
Recommended Aircraft	DJI Matrice 400, multi-rotor drones and fixed-wing
Camera Power Supply	External power supply DC12-50V
Camera Interface	DJI Skyport, Universal interface, USB-C interface
Effective Pixels	Total pixels ⩾ 510 million
Sensor	Sensor size 43.8*32.9mm, pixel size 3.76×3.76μm
Focal Length	Fixed focus Oblique :56mm Down-view: 40mm
Shutter Life	1000,000
Storage Capacity	Industrial-grade SSD solid state drive, 2TB

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