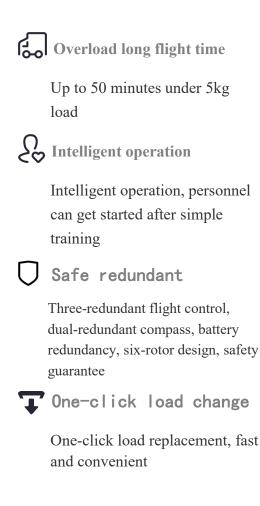
## Datasheet





Heavy-duty long flight time multi-rotor

Optosky electric hexacopter drone, available on demand to quickly change different payload equipment, it can be adapted to lidar and dual-lens tilt head. Experienced thousands of square kilometers of cadastre the test of the measurement project, continuous improvement and optimization, really close to Project requirements, it is a rare good helper for high-precision aerial survey.





Equipped with RTK/PPK differential processing system



**Precise terrain following** 

Realize the flight function of following terrain fluctuations



Disassembly and assembly without tools

The connecting parts adopt quick release structure



**Dual Antenna Directional** 

Avoid magnetic compass interference and improve flight safety



## System parameters

Size	1620×1410×500mm	Diagonal Size (Propellers Excluded)	1500mm
Standard load	5kg	Standard flight time	>50min
Max load	8kg	Max Flight Time	>90min
Flight speed	0~15m/s	Max Service Ceiling Above Sea Level	5000m
The maximum takeoff mass (MTOM)	22kg	Max Wind Speed Resistance	12.5m/s
Battery	32000mAh × 2 or 25000mAh× 2	Differential mode	RTK/PPK
Operating temperature	-20~45°C	Box size	790×615× 360mm



## Datasheet

## **Recommended load**



Airborne Lidar RZ1350

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Airborne LidarRZ900

	Laser ranging range	1350m	
J	Maximum scan angle	330°	
	Laser maximum pulse emission frequency	820kHz	
	Scanning Elevation Accuracy	≤5cm(flight high 200m, RMS)	
	Scan plane accuracy	≤8cm(flight high 200m, RMS)	
	Laser ranging range	775m (50KHz) to 300m(500KHz)	
	Maximum scan angle	360°	
	Laser maximum pulse emission frequency	500, 200, 50 kHz (Can be set)	
	Scanning Elevation Accuracy	≤8cm (flight high 200m, RMS)	
	Scan plane accuracy	≤20cm (flight high 200m, RMS)	