

WHAT WE DO

WITH

HINTARGET



Specifications

Flying platform	Weight (payload included)	4. 5kg		
	Dimensions	1.85mX1.1mX0.4m		
	Fuselage material	EPO+ carbon fiber composite		
	Battery endurance	2h		
	Cruising speed	55km/h-80km/h		
	Practical ceiling	6000m		
	Power plant	Front pull power system		
	Smart battery	6S 14000mAh		
	Take off	Hand -launched		
	Landing	Independent parachute		

Loading system	Orthophotograph =	SONY RX1R II		
Loading system	module	1080P video camera		
Land station	Radius control	15km		
Differential	Horizontal accuracy	±8mm+1ppm		
module	Vertical accuracy	±15mm+1ppm		
	Wind resistance	6 levels		
Operating	Rain resistance	Light rain		
environment	Operating temperature	-20℃~60℃		
	Installation time	5min		
Portable box	Size	1.2mX0.6mX0.27m		

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Flight efficiency

Altitude	GSD (cm)	Cover area(km²) @35mm lens, Forward overlap 80%					
(m)		Lateral overlap 60%		Lateral o	Lateral overlap 70%		Lateral overlap 80%
		A flight	Fly for a day	A flight	Fly for a day	A flight	Fly for a day
155	2	5.3	23.5	4.5	18.1	3.5	13.9
388	5	14.5	58.1	11.7	46.9	8.9	35.7
622	8	23.3	93.3	18.8	75.2	14.3	67.1
777	10	29.2	116.8	23.5	93.9	17.7	70.9
1166	15	43.7	174.9	35.3	141.3	26.7	106.7

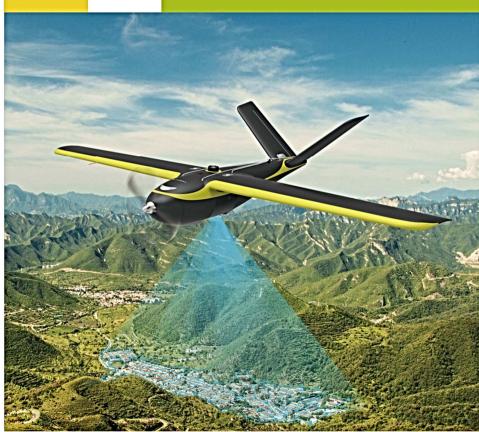
Note: each flight time is about 1.5 hours, and 4 sorties per day

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The professional mapping drone





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- iFly U0 is a professional intelligent aerial survey UAV system.
- With more than 10 years of flight control research and development technology, operation is very efficient.
- With more than 20 years of high precision RTK research and development technology, the results is very accurate.
- The modular design of composite materials, with EPO+ carbon fiber allowsfree tool disassembly, easy maintenance.
- With professional, customized ground station software, UAV has seamless connection with the ground station, and operation is simple and efficient.

Key features



Long-endurance

Long-endurance 2 hours, flies more efficiently.



Multiplexed parachute

Modular parachute, quick change, efficient operation, reuse and save costs.



High precision

Modular design

easier maintenance.

Multi-star multi-frequency, centimeter-level positioning, no photo-control point measurement.

No tools, one minute disassembly,



One-person operation

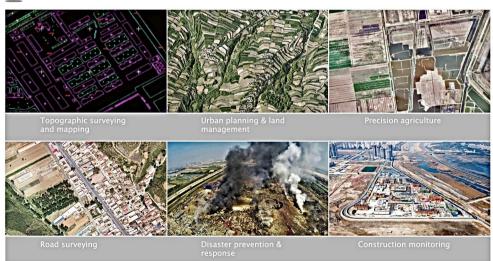
Hand -launched takeoff, intelligent flight, fixed parachute drop, easy to operate and convenient to carry.



Smart battery

Intelligent monitoring, maintenance free, safe and reliable, long life.





FLY UO







A key is used to automatically generate a 3d point cloud, model, orthophoto image and surface model

Smart 3D

Modular operation, high efficiency output fine 3d texture



Drawing: internal and external cooperation
Data: library integration

DP-Modeler

Interactive monomer modeling, one-key texture mapping, automatic retrieval of multi-angle images







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