

Category	Object	AgDrone™ System
Platform	Aircraft	Fixed-Wing
	Takeoff Weight	4.75lb (2.15kg)
	Material	Kevlar® Exoskeleton
	Wingspan	49in (124.5cm)
	Powerplant	575W Electric Motor
	Battery	8000mAh LiPo
Software	Mission Planning	✓
	Autonomous Flight	✓
	Autonomous Landing	✓
	Fall-Safe Routines	✓
	Automatic Camera Triggering	✓
	Automatic Data Processing	✓
Visible	Model	16.1 MP
	Coverage	Up to 850 acres/hr (344 ha/hr) @ 400 ft
	Ground Resolution	1.26 in (3.2 cm) @ 400 ft
	Trigger Method	Automatic Dual Camera Electrical Signal
Multispectral	Model	16.1 MP
	Coverage	Up to 850 acres/hr (344 ha/hr) @ 400 ft
	Ground Resolution	1.26 in (3.2 cm) @ 400 ft
	Trigger Method	Automatic Dual Camera Electrical Signal
Performance	Cruise Speed	29 mph (46.7 km/hr)
	Max Speed	51 mph (82 km/hr)
	Linear Travel	26 mi + 5.2 mi safety factor
	Communication/Control Range	2.8 mi (4.5 km)
	Estimated Flight Time	Wind 0-5 mph: 55 min + 11 min safety factor Wind 5-10 mph: 44 min + 9 min safety factor Wind 10-20 mph: 33 min + 7 min safety factor
Operations	Launch Method	Hand Launch
	Takeoff Angle	20 deg
	Landing Method	Custom Belly Skids
	Landing Surface	Grass, Graded Dirt, Packed Gravel, Pavement
	Recommended Landing Space	100 x 400 ft (30 m x 122 m)
	Minimum Landing Space	15 x 60 ft (5 x 18 m)