

G1

Advanced Low Weight UAV System



Endurance
40 min



Range
3 km



Takeoff weight
1.6 kg



Max wind
15 knots



Covert Altitude
120 m

Tactical, Foldable, Micro UAV

The G1 is the smallest drone of the Sentinel Family. Designed for one man control, this easy to use system is both lightweight, and provides the operator with flexible flight conditions. The reduced size has not compromised any quality as the G1 is equipped with our flagship HD dual camera, and specialized GCS system built for tactical missions.

G1



General Features	<ul style="list-style-type: none"> • 1 person required for rapid deployment • Designed for ISTAR missions 		
System Components	<p>Aerial: 1 quadcopter 3 rechargeable batteries Dual day & night camera</p> <p>GCS: 8" ruggedized touch screen computer Operation console with joysticks and controllers 1 charger kit</p>		
Endurance	40 minutes (above sea level, dependant on the mission profile)		
Range	Up to 3 km LOS		
Weight	Up to 1.6 kg TOW		
Dimensions	Folded: 20x28x15 cm Open: 41x41x15 cm		
Wind Limit	Maximum 15 knots - 27 km/h		
Operating Altitude	100 - 1000 ft. / 30 - 200 m AGL		
Operating Temperature	-10°C to +50°C / -50°F to +122°F		
Storage Temperature	-15°C to +60°C / -60°F to +140°F		
Battery	Li-Ion / Li-Po 16V		
Battery Charger	Std. socket 220/110V and optional by car		
Propulsion System	4 electric motors and propellers		
Communication	Data uplink, telemetry and video downlink		
Programmed Flight Modes	<ul style="list-style-type: none"> • Pre-programmed flight capability • Multiple flight plans and waypoints storage • 'Manual Override' option • Automatic 'Return to Launch' option in case of emergency/ no communication 		
Payload	Resolution: Day - 1280x720 P / Thermal - 640x480 P Zoom: Day - x40 (x20 optical, x2 digital) / Thermal - x4 digital		
Sensor Stabilization	2 axis mechanical gimbal and software stabilization		
Resolution		Vehicle	3-4 People
	Detection	600 m / 1970 ft.	500 m / 1640 ft.
	Recognition	500 m / 1640 ft.	400 m / 1310 ft.
			a single person
			300 m / 984 ft.
			200 m / 656 ft.
Technical Literature	Operational Manual 0 - Level maintenance manual		
Warranty	12 month warranty for manufacture malfunction *does not include: operator mistakes, faulty maintenance, or violation of manuals / training instructions		

