

G1

Advanced Low Weight UAV System



Ready, Set, Takeoff

The G1 is designed for full autonomous operation and high maintainability while keeping ease of use in mind. The plug 'n' play strategy formed a very quick, small & light weight UAV with only 2 minutes in turnaround time. These enable extreme portability, making the G1 a perfect first responder that matches any type of Tactical unit.



Endurance
35 min



Range
2 km



Takeoff weight
1.6 kg



Max wind
15 knots



Covert Altitude
120 m

G1



G1 General Features	<ul style="list-style-type: none"> • Simple, compact, lightweight & modular design • Ruggedized, dust and rain proof • 1-2 personnel required for rapid deployment • Designed for ISTAR missions 		
System Components	<p>Aerial: 1 quad copter 2 rechargeable batteries Dual day & night camera</p> <p>GCS: 10" ruggedized touch screen computer Operation console with joysticks and controllers 1 charger kit</p>		
Transportation	1 rugged suitcase		
Endurance	Up to 35 min*(with colibri camera)		
Range	Up to 2 km LOS		
Weight	1.6 Kg TOW.		
Dimensions	40 cm x 40 cm x 20 cm		
Wind Limit	15 knots / 27 Km/h max.		
Operating Altitude	100 ft. - 1000 ft. / 30 m – 300 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	LiPo, 16V		
Battery Charger	Option by Car and std. socket 220V/110V		
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 plan and waypoint storage, 'Manual Override' option. • In case of emergency / No comm. - automatic GO HOME mode. 		
Payload	Dual day & night. Real time high quality video. 		
Sensor Stabilization	2 axis mechanical gimbal & software stabilization		
Resolution	Vehicle	3-4 People	Single Human
Detection	600 m / 1970 ft.	500 m / 1640 ft.	300 m / 984 ft.
Recognition	500 m / 1640 ft.	400 m / 1310 ft.	200 m / 656 ft.
Technical Literature	Operational manual O-level maintenance manual Optional training package*		
Warranty	12 month for manufacture malfunction. *Does not include: operator mistake, faulty maintains, deviation from manuals and training instructions.		



*Above sea level-depends on mission profile