

G3

Advanced Low Weight UAV System



Multi Option Configuration

The G3 is equipped with a gimballed, stabilized high performance EO & IR payload that is interchangeable with other sensors such as: communication Jammers, electronic warfare, etc'. can be configured to hold any kind of sensor up to 3 Kg. Transportable with a standard Jeep and designed for longer, more complicated missions.



Endurance
90 min



Range
5 km



Takeoff weight
11 kg



Max payload
3 kg



Covert Altitude
250 m

G3



General Features	<ul style="list-style-type: none"> • 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	45 - 90 min. (Above sea level-depends on mission profile)			
	Payload weight (Kg)	Endurance (min.)		
	0.3	90		
	1.5	70		
	3	50		
Range	Up to 5 km LOS			
Weight	Up to 11 Kg TOW.			
Dimensions	80 cm x 80 cm x 40 cm			
Wind Limit	15 knots / 28 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, 24V			
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.			

