G2

Advanced Low Weight UAV System

Aero Sentinel
an AeroSol Company

TESTED ★MIL-STD-SPEC★ TESTED

The Most Efficient Multirotor in the World

The G2 is an advanced UAV System that provides real-time day and night video stream via Ground Control Station. Complete autonomous operation with long endurance and low weight make the G2 the best cost-efficient solution. The special frame configuration is ideal for quick deployment & turnaround time as well as for covert surveillance and high payload stability.

Endurance
80 min

Range
4 km

Takeoff weight
4 kg

Max wind
15 knots

Covert Altitude
150 m

G2

General Features	• Simple, compact, lightweight & modular design • Ruggedized, dust and rain proof • 1-2 personnel required for rapid deployment • Designed for ISTAR missions
System Components	Aerial: 1 quad copter 2 rechargeable batteries Dual day & night camera GCS: 10'' ruggedized touch screen computer Operation console with joysticks and controllers 1 charger kit
Transportation	1 rugged suitcase / backpack
Endurance	Up to 80 min*(with colibri camera)
Range	Up to 4 km LOS
Weight	4 Kg TOW.
Dimensions	60 cm x 60 cm x 30 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	• Pre-programmed flight capability. Multiple flight plan & 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
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.

Resolution		Vehicle	Single Human
Day	Detection	600 m / 1970 ft.	300 m / 984 ft.
	Recognition	400 m / 1312 ft.	200 m / 656 ft.
Night	Detection	500 m / 1970 ft.	250 m / 840 ft.
	Recognition	300 m / 984 ft.	150 m / 492 ft.

*Above sea level-depends on mission profile