



ORION X5

Advanced Low Weight UAV System



Endurance
80 mins



Range
5-8 km



Takeoff weight
4 kg



▶ LONG ENDURANCE
▶ LIGHT WEIGHT

▶ STEALTHY
▶ MIL GRADE

The Most Efficient Multirotor Drone in the World

The Orion X5 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 X5 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.

ORION X5



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	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. (Above sea level-depends on mission profile)		
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	<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	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.
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.		

