

FLEXROTOR



FEATURES

- » >12-14 hours endurance in operational configuration
- » Maximum 32 hours endurance (fuel and payload dependent)
- » 20' x 20' area for launch and recovery
- » Vertical climbout and descent in 25+ kt wind
- » Expeditionary on land and sea
- » No launch and recovery equipment
- » Set up < 30 minutes with two-person crew
- » EO/IR, comms relay and day/night motion detection payloads
- » Low acquisition and sustainment cost

Multi-INT
payloads

Up to
32 hour
endurance

VTOL /
fixed wing

< 30 minutes
box-to-flight

ITAR free

SUMMARY OF SPECIFICATIONS



Rotor diameter	2.2 m / 7.2 ft
Length	2 m / 6.6 ft
Wingspan	3 m / 9.8 ft
Max launch weight (ISA, SL)	25kg / 55 lb
Engine	28 cc 2 stroke
Hover ceiling (OGE) @ max wgt with legs closed	1300 m / 4300 ft
Endurance speed	85 km/h / 46 kt
Maximum level speed	140 km/h / 77 kt
Maximum payload	7.7 kg / 17 lb
Wing-borne ceiling @ max wgt	6.5 km / 21 kft
Endurance with daylight imaging payload; ISA SL launch; full backpack fuel	> 30 hr
Range @ best speed	2000 km 1100 nm
Range @ maximum speed	900 km 500 km
Video range with ground dish	120 km / 66 nm
Payload link	5 Mbps wireless Ethernet
Storage	205 x 57 x 38 cm box with integral assembly stand
Assembly time	10 minutes

Range and endurance quoted for 60 W payload power, with backpack fuel tank.

