

# Peregrine



## Multi mission Airborne sensing

### Mission optimised sensing platform

- Cylindrical 9.8 in x 57 in Multi purpose mission pod below the wing, up to 33 lbs each
- Rudder top radome 9.8 in x 17 in, up to 9 lbs
- 100 hp fuel effective Rotax 912 S with additional alternator 12V/25A, separate from the regular aircraft power supply

### Mission profile

- Gimballed SD/HD video cameras
- Thermal cameras, cooled and uncooled
- HighRes photo cameras
- Non-directional and single axis directional microwave antenna
- Wide band data links, analog, COFDM, digital video, WLAN
- Environmental sensing
- Air analysing

### Mission safety

- 1-3 axis auto pilot
- GPS pattern support
- Rescue system

### Your mission

- Aerial supervision
- Traffic management
- Geo referencing
- Cartography
- Below surface geo exploration
- Aerial identification
- Environmental planning
- Rural/urban planning
- Crop supervision



## Cost optimization

- Airborne sensing at a fraction of costs compared to helicopter or multi engine aircraft
- Highly flexible platform for different mission types
- Dual pilot or single pilot with computer equipment on the 2nd seat
- Low maintenance and adaptation costs.
- Total payload between 400 to 660 lbs, depending on category
- Endurance up to 7 hrs plus reserve
- Range abt. 750 nm/1,400 km
- Carbon fibre body, glass fibre wings

Data	VLA met.	VLA imp.	LSA met.	LSA imp.
Wingspan	8,80 m	28.9 ft	9,60 m	31.5 ft
Length	5,80 m	19.0 ft	6,04 m	19.8 ft
Hight	2,13 m	7.0 ft	2,13 NG	7.0 ft
Wing area	8,52 m <sup>2</sup>	91.7 sq.ft	9,38 m <sup>2</sup>	106 sq.ft
Cabin width	1,13 m	44 inch	1,13 m	44 inch
MTOW	650 kg	1433 lbs	600 kg	1320 lbs
Empty weight abt.	350 kg*	772 lbs	340 kg	750 lbs
Fuel consumption	12-14 l/h	2.6-3.1 gal/h	12-14 l/h	2.6-3.1 gal/h
Travelling speed (75%)	230 km/h	124 knots	200 km/h	110 knots
Maximum speed (100%)	250 km/h	134 knots	220 km/h	120 knots
Never exceed speed (VNE)	300 km/h	162 knots	300 km/h	162 knots
Safe speed.	180 km/h	97 knots	180 km/h	97 knots
Minimum speed	75 km/h	41 knots	76 km/h	42 knots
Maximum speed at max flaps	110 km/h	59 knots	110 km/h	59 knots
Max climb rate	5 m/s	1050 ft/min	5 m/s	1050 ft/min
Landing run	120 m	394 ft	120 m	394 ft
Take-off run	100 m	328 ft	100 m	328 ft

Rotax 912 ULS  
100 hp  
Mogas, AVGas 100 LL  
or regular 98ROZ car fuel.

\*Depending on equipment and motor  
E.&O.E.



