



PinnaclePro

Technology:  Satellite

Product:  Collar

© Paul Trethowan 2012



GPS and radio collar, with Iridium transfer of GPS data; with the option of SOLAR panels to assist functional life

These collars collect GPS signals at a users' specified rate, feature a VHF beacon and are capable of transmitting GPS positions to your computer or mobile screen via Iridium to Lotek's Webservice interface. An additional method of remote communication can be included via radio frequency transmission in the field. Additional features include VHF beacons for tracking, as well as mortality alerts right to your email or phone. Other feature alerts can also be sent directly to you, such as a Virtual fence crossing event.

Options

- SWIFT fixes for many more locations (not compatible with Geofencing feature)
- Sensors: Proximity detection and/or transmission, near or far
- Geofencing

Product Applications

Home range analysis, survival, reintroductions, inter and intra species interactions, disease transmission, habitat use and movement behaviour, efficient eradication planning and management.

Features:



Battery life:

In the right conditions, can be significantly increased using SOLAR assist

Repower:

Factory repower option is available for S and M models. L features a user replaceable battery including an integrated release.

Model	PinnaclePro S		PinnaclePro M		PinnaclePro L	
Approx. weight ^[1] (g)	~380 - ~410		~400 - ~430		~630 - ~670	
Fix type	Regular ^[2]	Swift ^[3]	Regular ^[2]	Swift ^[3]	Regular ^[2]	Swift ^[3]
1 year life	16	20	48	48	72	72
2 years life	5	12	10	19	28	36
3 years life	3	6	7	12	16	24
4 years life	2	4	5	9	8	16
5 years life	1.5	3	4	7	6	12

- Weights vary significantly depending on belt type and size, antenna option, solar assist & TRD.
- VHF beacon is set to operate for 7 hours a week at the average. The collar transmits through Iridium after collecting 18 positions in record.
- VHF beacon is set to operate for 7 hours a week at the average. The collar transmits through Iridium after collecting 9 positions.

Note: Under favourable conditions Solar Assist can significantly extend battery life. A solar model exposed to direct sunlight for 8 hours per day can have its battery life extended by 50%. Varying environmental conditions will affect the solar assist performance.

Technical specifications:

Frequency range: 148MHz to 174MHz
 Operating temperature: -30°C - +50°C
 Standard adjustment: 30mm

Collar circumference (mm):

PinnaclePro S and M: 220-295, 260-350, 300-400, 340-460.
 PinnaclePro L: 300-400, 340-460, 390-530, 450-610, 520-700, 600-810, 680-920, 770-1050, 920-1240, 1070-1450.

Collar width based on circumference (mm):

40mm: 220-295, 260-350, 300-400, 340-460, 390-530, 450-610
 50mm: 520-700, 600-810, 680-920, 770-1050, 920-1240, 1070-1450.

Timed Release Drop-Off: (55g). Optional TRD on S and M models OR built in, integrated drop off on L models.

Warranty

Contact one of our telemetry specialists for details about our warranty. For Warranty terms and conditions, please review our [Warranty Statement](#).