



AVIAN



TERRESTRIAL



MARINE



FRESHWATER

## LiteTrack Series

**Technology:**  **Satellite**  **Radio**

**Product:**  **Collar**

White-tailed deer (*Odocoileus virginianus*)



## Efficient & Lightweight – up to 3 times more GPS fixes

Lotek has introduced an innovative family of GPS products (LiteTrack) intended for small, medium and large mammals. The collars collect positions at users' specified rate, feature a VHF beacon and are optionally capable of remote download of collected data. The operating life varies with battery configuration, application and study needs and objectives. Please contact one of our telemetry consultants to discuss your study needs.

### Options

- Contact and close proximity
- Mortality indication
- Remote data download and upload with potential for UAV download
- Flexible scheduling of GPS + VHF + RF communication for extended operating life
- Sensors: activity models, temperature
- Geofencing
- Rechargeable battery (LiteTrack LR): ideal for short term, domestic cattle studies

### Features:



### Long battery life:

Battery life can be more than doubled using SWIFT fixes

### Small species:

Neck sizes starting at 10 cm (~4").

### Light weight:

Collars starting from ~20g

## Product Applications

Home range analysis, predator prey interaction, survival, reintroduction in historical habitat, disease transmission, pasture utilization

Model	Weight (g)	Housing size <sup>[1]</sup> (LxWxH) (mm)	GPS life <sup>[2]</sup> (Std / SWIFT fixes)		
			1y	2y	3y
LiteTrack 20	~20	33.5 x 18 x 15	- / 2 <sup>[3]</sup>	-	-
LiteTrack 30	35	37 x 20 x 24	3 / 8 <sup>[4]</sup>	- <sup>[7]</sup>	- <sup>[7]</sup>
LiteTrack 40	45	45.5 x 20 x 24	3 / 8 <sup>[4]</sup>	- <sup>[7]</sup>	- <sup>[7]</sup>
LiteTrack 60	63	64.5 x 20 x 24	4 / 14 <sup>[4]</sup>	1 / 4 <sup>[4]</sup>	- <sup>[7]</sup>
LiteTrack 140	110+	60 x 30 x 24	16 / 28 <sup>[5]</sup>	4 / 12 <sup>[5]</sup>	- <sup>[7]</sup>
LiteTrack 330	330	77 x 57 x 48	26 / 48 <sup>[6]</sup>	6 / 16 <sup>[6]</sup>	3 / 9 <sup>[6]</sup>
LiteTrack 360	360	77 x 57 x 58	96 / 96 <sup>[6]</sup>	18 / 48 <sup>[6]</sup>	7 / 19 <sup>[6]</sup>
LiteTrack 420	420	77 x 57 x 73	288 / 240 <sup>[6]</sup>	205 / 96 <sup>[6]</sup>	144 / 72 <sup>[6]</sup>
LiteTrack 800	750	120 x 86 x 126	1440 / 720 <sup>[6]</sup>	720 / 360 <sup>[6]</sup>	480 / 240 <sup>[6]</sup>
			1 month <sup>[2]</sup>	3 months <sup>[2]</sup>	6 months <sup>[2]</sup>
LiteTrack LR	~580	120 x 86 x 126	288	96	40

1. LiteTrack 20 and LiteTrack 30 models are hand molded, tolerance 5%.
2. Number of fix attempts per day to achieve desired operating life.
3. 1h VHF per day
4. 2h VHF per day
5. 3h VHF per day
6. 4h VHF per day

Features and specifications subject to change without notice. Contact a Lotek Representative for more details.

#### Technical Specifications:

Frequency Range: 148MHz to 174MHz

Standard adjustment (mm):

LiteTrack 20 and 30: ±10

LiteTrack 40: ±20

LiteTrack 60 and 140: ±30

Collar width (mm):

LiteTrack 20: 5

LiteTrack 30: 10

LiteTrack 40 and 60: 15

LiteTrack 140: 25

Collar circumference (mm):

LiteTrack 20: 100 - 200

LiteTrack 30: 130 (115) - 250

LiteTrack 40 160 (140) - 300

LiteTrack 60: 210 (190) - 390

LiteTrack 140: 250 (220) - 390

Lower collar circumference is achieved by adding foam padding.

## Warranty

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