

# LiteTrack Iridium Family



**Smallest GPS Iridium collars on the market!**

**Starting from  
130 grams**



Receivers  
Dataloggers  
Radio transmitters

Acoustic transmitters  
Archival tags  
GPS systems



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Hydrophones  
Wireless hydrophones  
Physiological transmitters

Depth transmitters  
Accessories  
Consulting

# LiteTrack Iridium Collars

## Operating Life

(Number of fixes per day to achieve desired operating life)

	LiteTrack 130		LiteTrack 150		LiteTrack 250		LiteTrack 330		LiteTrack 360		LiteTrack 420	
<b>Minimum Weight (g) Ungulate/Carnivore</b>	125 - 140		145 - 190		220 - 260		309 - 342		344 - 376		405-437	
<b>Fix Type</b>	Regular *	Swift **	Regular *	Swift **	Regular ***	Swift ***	Regular ***	Swift ***	Regular ***	Swift ***	Regular ***	Swift ***
<b>1 year life</b>	5	9	13	20	18	24	24	24	57	59	144	144
<b>2 years life</b>	2	3	4	9	15	12	5.5	12	16	26	57	72
<b>3 years life</b>	NA	NA	NA	NA	3	8	3	8	8	16	36	41
<b>4 years life</b>	NA	NA	NA	NA	2	4	2	4	6	12	24	32
<b>5 years life</b>	NA	NA	NA	NA	1	3	1	3	4	8	16	24

\* VHF beacon is set to operate for 7 hours a week on average. The collar transmits through Iridium after collecting 18 positions in record

\*\* VHF beacon is set to operate for 21 hours a week on average. The collar transmits through Iridium after collecting 9 positions

\*\*\* VHF beacon is set to operate for 28 hours a week on average. The collar transmits through Iridium after collecting 18 positions for regular and 9 positions for swift fixes

Operating life can be further increased by decreasing the frequency of iridium transmissions (more positions in the record) and/or decreasing average time when VHF beacon is on.

Mortality Function option	Available
Activity in 2D or 3D	Available
Ambient temperature	Available
Geo-fencing	Available
VHF frequency range	148 - 174 MHz
Operating temperature	-30°C - +50°C
User replaceable battery pack	250, 330, 360, 420 models only
Factory replaceable batteries	130 and 150 models only
Two way communication	Remote download of data and upload of GPS and VHF schedules, and geo-fence polygons through Lotek web service via Iridium or directly to and from the collar via a PC interface
Drop offs	Optional TRD on all models or TRRD on 330, 360 and 420 models only

All specifications are preliminary and subject to change.

**LOTEK**

WIRELESS  
FISH & WILDLIFE MONITORING

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