



Elephant Collar

Savannah Tracking offers three different GPS Iridium collar models for elephant tracking depending on the species and project needs.

They include:

Savannah Standard model suitable for African and Asian Elephants, **Forest Model** suitable for Forest elephants and **Specialized Calf unit** typically used for post release monitoring of orphaned calves or similar.

Specs:

Position acquisition: GPS for positions with user defined averaging function

Communications: Two-way communication via Iridium-(Worldwide coverage)

Data Access: Downloading via the free accompanying Savannah Tracking data manager software. Automated Google Earth links for visualization and phone APP access via the Mi Savannah APP

Telemetry location: Two independent transmitters, one VHF and one UHF transmitter (user defined frequencies: VHF 140- 173 MHz. UHF 433 – 450 MHz)



Lifespan and Weight:	Depending on Model @ 24 positions and 4 data reports per day the standard 4 Dcell Savannah Model (14 kg) = 5 years, the 2 Dcell Forest Model (8 kg) = 2.5 years excluding any solar input
Power Supply:	The unique combination of primary and rechargeable batteries with seamless transition between power supply. This allows for the benefits of added power from solar charging with the guaranteed backup power from primary batteries giving a reliable power supply meeting demands under challenging and varying conditions
Geo-Fencing:	Fully user definable geo fencing allowing for point, line and polygon fences and automated email alarms in case of zone violation.
Alarms:	Automated alarms and email alerts in case of ACC detected mortality or abnormal behavior
HWC system:	RF beacon for integration with the Lion Shield HWC alarm system
Drop off option:	Collars can be supplied with a timed drop -off programmed for release up to 5 years from deployment

The underlying GPS tracking boards and specifications are fully identical between the models but they differ in number of primary cells, type of belting and weight of counterweight



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