

Sensors

Internal sensors

- Temperature sensor: standard for all collars
- Mortality sensor: standard for all collars
- Hibernation sensor: standard for VERTEX PLUS
- Basic activity sensor: standard for VERTEX PLUS and VERTEX Lite
- Advanced Acceleration sensor: Optional for VERTEX PLUS only

External sensors - for VERTEX PLUS collars

VERTEX Natal-Linked System with Vaginal Implant Transmitter (VIT), UHF ID Coded Fawn Collar Transmitter and Separation System in VERTEX PLUS collar

- reproduction success and parturition event is observed
- birth place can be located
- mother - offspring interaction can be analyzed
- offspring survival can be proven

UHF ID Coded Vaginal Implant Transmitter

UHF ID Coded Fawn Collar Transmitter

Proximity System with UHF ID Coded Transmitter

- UHF ID Tag Transmitter can be a single unit with belt or can be integrated in a GPS collar
- to study interactions between animals
- intensified proximity GPS schedule in case of proximity event can be programmed

UHF ID Coded Transmitter with belt



Heartbeat Rumens Implant (MIT) equipped with high resolution temperature sensor and acceleration sensor for instant mortality detection

please refer to our product flyer for detailed specification

VECTRONIC Aerospace has developed and manufactured customized GPS collars since 2000 for your wildlife project. Our GPS collars are delivered fully programmed according to your project requirements and ready for deployment. Our commitment does not end with delivery. Our customer support team is there for your questions and happy to help.

We trust in our GPS collars and therefore we offer a 2 year warranty on our electronic components.

Constant communication with researchers, scientists and conservationists is key to our constant development of new collar capabilities that you need. So, when you plan your project, our team looks forward to hearing from you.

contact us

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Be informed about VECTRONIC, our team, our collars and follow us:
<https://www.facebook.com/VectronicAerospace/>

On our YouTube channel you find many helpful video tutorials about how to handle our collars, software and equipment. <https://www.youtube.com>



Trap Transmitter and Sensor

- Once the Trap is closed the Sensor is triggered and the Transmitter sends a notification to your E-mail or mobile via Globalstar communication.
- The Sensor is equipped with VHF beacon. A modified VHF beacon signal indicates a closed trap in the field.



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Overview - GPS collars



VERTEX PLUS
for advanced wildlife studies with many additional features

VERTEX Lite
small, efficient and offers all basics of a GPS collar



VERTEX Mini Fawn
120 grams with GPS and Globalstar communication

SURVEY
for economical long term studies

please refer to our product flyer for detailed specification

Communication

IRIDIUM: 2-way communication

- receive your GPS data and notifications worldwide
- remote configuration of your collar is possible

Globalstar: 1-way communication

- receive your GPS data and notifications in areas with Globalstar coverage
- economical and energy saving satellite communication

GSM: 2-way communication

- for VERTEX PLUS and VERTEX Lite collars only
- receive your GPS data and notifications in areas with GSM coverage
- remote configuration of your collar is possible

UHF: 2-way communication

- for VERTEX PLUS collars only
- data download in the field via UHF Terminal
- upload of new collar configuration is possible

Collars without communication are also available.

Drop Off

External Drop Off on belt



SURVEY with drop shaped belt

Drop Off release mechanism built in battery pack for different belt shapes



open Drop Off

VERTEX PLUS with oval shaped belt

VERTEX Lite with round shaped belt

VERTEX PLUS with Cotton Belt Break Away

Release your Drop Off via

- Time settings
- UHF communication
- Iridium communication
- GSM communication

You may also add a Cotton Belt Break Away which decays to release collar.

please refer to our product flyers for detailed specification

Camera

- for VERTEX PLUS collars only
- for photos and / or videos
- can be triggered via
 - Camera schedule
 - GPS schedule
 - Proximity
 - Birth event in combination with VIT

Oval shaped VERTEX PLUS collar with camera option, 4D battery and Drop Off



© Norwegian Institute for Nature Research
Reindeer collared with VECTRONIC camera collar taking photos of calf

Belt

Our belts are handmade and consider requirements for each species. You can choose your individual belt color or belt label. Moreover, we offer tailored elastic and expandable belt options for certain species.



SURVEY collars with various belt options

please refer to our product flyers for detailed specification

Virtual Fence

- for VERTEX PLUS collars only
- defines an area of special interest
- in case of entering and / or leaving virtual fence area an alarm message is triggered
- intensified virtual fence GPS schedule inside virtual fence area can be programmed



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please refer to our product flyer for detailed specification