



Bushtech Wildlife Tracker „Deer“

Light-weight ear-tag
for wildlife monitoring
applications



Our LoRaWAN-enabled GPS ear-tag provides valuable insights into the movement of animals that were previously difficult to track. The lightweight device, attached to the ear, allows for tagging even juvenile animals that are still growing. Thanks to its data storage capability, migrating individuals can be tracked year-round without data loss.

Application

- Tracking of wildlife, such as wild boars, bears, deer, bison, elk, wolves, lynx and other mammals
- Monitoring of life stock, such as cattle, sheep and horses

Features

- Full-season monitoring & tracking
- Tracking of juveniles possible thanks to ear-tag deployment
- Device stores locations when lacking connectivity
- Remotely configurable
- Ruggedised and waterproof housing (IP67)
- Supported by tracking platform „IoT Wonderland“ (<http://www.iotwonderland.com>)

Technical Details

- Positioning: GNSS (GPS, Glonass, Beidou, Galileo)
- Accuracy: 2.5m CEP (statistical value - errors may be larger than 2.5m)
- Transmission: LoRaWAN 1.0.3
- Range: Up to 10km (depends on terrain and animal height)
- Battery: Lithium primary cell
- Runtime: up to 1 year / or up to 10.000 positions (typ. 4 months / 5.000 positions)
- Weight: 45g / Dimensions: 75 x 55 x 20 mm

Upon request we will provide support for your project, both remotely and on-site.