



# Tracking Collar „Bull“

Rugged tracking collar with long battery life and built-in behavior analysis



The LoRaWAN GPS tracking collar 'Bull' allows tracking of animals over a prolonged period. Due to the light weight of the device, various adult species can be monitored with an appropriately sized collar. Thanks to the devices' internal data storage capability, migrating individuals can be tracked all year around without data loss.

## Application

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

## Features

- Full-season monitoring & tracking
- Device stores locations when lacking connectivity
- Accelerometer to categorize animal behavior
- Remotely configurable
- Ruggedized 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
- Transmission: LoRaWAN 1.0.3
- Range: Up to 50km (line-of-sight range)
- Battery: Lithium primary cell
- Runtime: up to 2 years / up to 30.000 positions (typ. 1 year / 15.000 positions)
- Weight: 200g plus collar & optional counterweight

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