FiFa compliant match ball with wireless sensors

FiFa compliant match ball

Sensors, tracking radar and bluetooth (center mounted) World first FiFa compliant match ball. Including the latest motion capture technology. Data communication and tracking uses UWB.

Key items:

- 40 hrs active/charge, standby up to 1year
- Firmware upgrade over the air (AES security)
- User pincode and secure pairing to a phone
- UWB 3D tracking range up to 300m^{LOS}
- Highscore player benchmarking worldwide
- Dataanalysis & 3D progression tracking for mobile



- White labelled

Technical specifications:

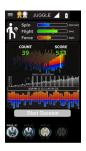
- Pressure sensor: 0-2bar, 0.025 resolution
- 3D accelerometer: 0-32G at 0.24mG/bit full range
- 3D compass: up to 2 degrees accuracy
- 3D gyroscope: +/- 0 to 4000 degrees/second
- IMU inertial measuring unit; 8kHz,output: 200Hz, impact detection 1ms
- Position update rate: 25, 50 or 175 Hz mode
- · Senser weight: approx. 2 gram
- System latency: 80ms



V 1.1











PURE magnet-USB connector, charge cable included 500mAh LiPo battery

Mobile & PC application: Android, win64, iOS

Dimensions, weight Operational temperature

Accu Radio Size 5, 432g 0 to +70 °C

500 mAh

UWB 3-7GHz

ISM-band: B 5.3 2.4GHz

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^{1:} Accuracy range from sub cm accurate in line of sight (LOS) condition in calibrated environement to sub decimeter accuracy for indoor and outdoor sportsfields.