

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 1 year
- 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

Options

- 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
- Sensor weight: approx. 2 gram
- System latency: 80ms



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



V 1.1

Mobile & PC application: Android, win64, iOS



Dimensions, weight

Size 5, 432g

Operational temperature

0 to +70 °C

Accu

500 mAh

Radio

UWB 3-7GHz
ISM-band: B 5.3 2.4GHz

e-mail info@airtls.com

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