

FiFa compliant match ball with wireless sensors

FiFa compliant match ball

Sensors, tracking radar and bluetooth at the center of the world first FiFa compliant match ball. Including the latest motion capture technology. Data communication via uwb and bluetooth.

Key items:

- Bluetooth range up to 100m^{LOS}
- 40 hrs active/charge, standby >2year
- Bluetooth 5.0 & 4.2
- Firmware upgrade over the air (AES security)
- User pincode and secure pairing to a phone
- UWB 3D tracking range up to 150m^{LOS}
- Highscore player benchmarking worldwide
- Dataanalysis & 3D progression tracking for mobile

Options

- White labelled

Technical specifications:

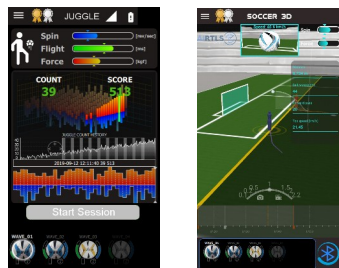
- Pressure sensor: 0-2bar, 0.025 resolution
- 3D accelerometer: 0-32G at 0.24mG/bit full range
- 3D compass: 3 degree accuracy
- 3D gyroscope: +/- 0 to 4000 degrees/second
- IMU inertial measuring unit; 32kHz sample rate, data output: 200Hz
- Position update rate; 50 or 150 Hz mode
- Sensor weight: 3 gram
- System latency: 80ms



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



Mobile & PC application: Android, win10, iOS



Dimensions, weight	Size 5, 430g
Operational temperature	0 to +70 °C
Accu	500 mAh
Radio	UWB 3-7GHz Bluetooth 5.0 2.4GHz