

minimaxX3

Catapult.

5Hz GPS athlete tracking solution combining Catapult's sports specific GPS engine, accelerometers and heart rate with fitness, rehabilitation and tactical tools. The ultimate in wearable athlete performance tracking.

Conditioning and Rehabilitation

- > Fast GPS- With 5 Hz GPS sampling, minimaxX is uniquely able to identify short high intensity efforts that characterise team sports.
- > Distance
- > Acceleration
- > Player load
- > Orientation
- > Heart rate
- > Automatic software reports
- > Impact analysis and tackle identification
- > Player Interchange management

Tactical Analysis

- > Traditional video based systems are fixed installations that deliver match analysis hours or days after the event. minimaxX can provide real time 2 dimensional animations of the whole game
- > Replay a passage of play from 10 seconds ago, 5 minutes ago or 2 weeks ago
- > Use it to communicate tactical strategies to players and coaching staff in real time
- > minimaxX uniquely offers a tool for both fitness and tactical departments within your team
- > Synchronise GPS animations with video
- > Export GPS animations as a video source for 3rd party software analysis
- > Integrate with Statistics or Events lists from leading Stats Providers

Technique Analysis

- > Synchronise video footage with scrolling graphs of accelerometers, velocity, turn rates and more

Wireless/real time analysis

- > 200m range
- > Monitor up to 100 athletes simultaneously
- > Set simple or complex performance targets
- > Easily create time stamps for beginning and end of training drills

Advanced Software Features

- > Player and team database
- > Customised pitch or grounds files based on real GPS coordinates
- > Advanced multiaxis graphing: 4 graphs with 4 variables per graphs
- > Synchronise video footage with scrolling graphs
- > Data export functionality: Using Microsoft clipboard or csv file

Support and Relationships

Catapult and Perform Better are determined to provide not just technology, but build strong relationships with our customers and offer the best available service and support.

- > Prompt after sales technical support and maintenance from our full time Catapult Technician/Sports Scientist
- > Regular software and firmware updates accessible via the secure section of Catapults website
- > Regular users Workshops to discuss the use of the Technology in Professional Sport and learn more about the future developments



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Hardware Specifications

| | | |
|--------------------------|---|--|
| minimaxX3 | | |
| GPS engine | Catapult G4 | 5Hz with assisted lock & improved accuracy |
| Accelerometers | 3D, +/-6g | 100Hz |
| Gyroscopes | 3D, +/-1000 degrees/sec | 100Hz |
| Magnetometers | 3D | 30 or 100Hz |
| Heart Rate | Polar compatible pickup | T31 coded straps recommended |
| Memory | 1GB internal flash | Approximately 60 hours of data |
| Battery Life | 5 hours | Lithium Ion rechargeable |
| Size | 19x50x88mm | Rounded profile for safety and comfort |
| Weight | 67g | |
| Harness | CoolEdge® Silpure® antibacterial moisture management fabric | Available in sizes XXXXS to XL |
| Live wireless data | 2.4GHz, 250m range, 5Hz update | Track up to 44 athletes at once |
| Environmental Protection | Water Resistant | |
| Indoor use | Indoor wireless heart rate and inertial sensors – Upgradeable | |

Other units available in the Catapult range:

- L3 2hz sampling
- S4 10Hz GPS Sampling

Catapult Technology has been purchased by some of the leading Sports teams and Organisations in the UK and around the World including:

Institutes and National Governing Bodies:

- UK Sport
- English Institute of Sport
- Welsh Rugby
- British Rowing
- British Canoeing
- British Basketball
- British Waterskiing
- Australian Institute of Sport– 8 Regional Institutes.
- Australian Rowing
- Australian Hockey
- Australian Cricket

Professional Teams:

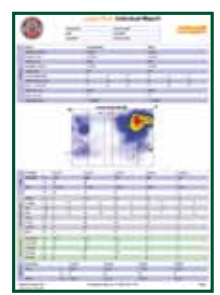
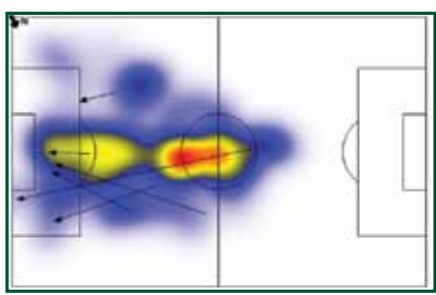
- Everton Football Club
- West Ham United Football Club
- Blackburn Rovers Football Club
- West Bromwich Albion Football Club
- Newcastle United Football Club
- Sunderland Football Club
- Canterbury Crusaders Rugby
- NSW Waratahs Rugby
- Cardiff Blues Rugby
- Brisbane Broncos Rugby League
- 15 AFL Teams

Universities:

- Leeds Met University
- Teesside University
- University of Hull
- Edge Hill University
- University of Central Lancashire
- Northumbria University
- Glasgow University
- Brighton University
- Ripon & York University
- Birmingham University
- Napier University

"I have used the Catapult minimaxx system for the past 4 years to provide support to Premier League football clubs. The system provides objective feedback both 'live' and 'post-event' for coaches, scientists and medical staff on their activities and interventions. It allows us to better understand the balance between internal and external stresses, and make objective decisions based on individual characteristics. It is an invaluable tool to help minimise injury and maximise performance in a team sports environment."

Chris Barnes
Consultant Sports Scientist



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