

### GNSS ANTENNA

OptimEye has both a GPS and GLONASS antenna, allowing the device to access twice the satellites to increase accuracy and decrease drop outs. This is especially important in stadia, where the visibility of the sky can be limited.

### INERTIAL MOVEMENT ANALYSIS

The device features Catapult's proprietary Inertial Movement Analysis (IMA) algorithm, which scientifically measures athlete micro-movements.

### POWERFUL MICROPROCESSOR

OptimEye S5's on-board computer is powerful and intelligent, providing the ability to provide analytics in real time.

OptimEye S5 is the most used athlete monitoring device in elite sport, with over 900 teams worldwide using it to enhance performance and mitigate injury risk.

The fifth-generation technology is the world's first GNSS device for team sport, featuring twice the satellite constellations (US-based GPS and Russian-based GLONASS) for enhanced data accuracy and decreased satellite drop out.

OptimEye S5 also features a powerful microprocessor that computes 1000 data points per second in real time for sport-and position-specific information. This allows you to go as deep as you like with your performance analysis.

The device has simple usability with three smart LEDs, a military-tested design, and is the thinnest athlete monitoring device available.

SIZE	96mm x 52mm	
LOCATION ENGINE	10Hz GPS engine	GLONASS-enabled
ACCELEROMETERS	3D +/-16g	100Hz
GYROSCOPES	3D 2000 degrees/second	100Hz
MAGNETOMETERS	3D	100Hz
HEART RATE	Polar compatible pickup	T31 coded straps recommended
BATTERY	Five hours	Lithium ion rechargeable
SET UP	N/A	
ACCURACY	50cm	
FREQUENCY	Wireless transmission 250m	Track up to 100 athletes in real time
GARMENT	Integrated heart rate strap	
CHARGE CASE	28 monitors	
SOFTWARE	OpenField	
GENERATION	Fifth-generation	
USER	Sports scientist	
SUPPORT	High touch	Extensive training and support



**Play Smart. Defy Limits.**

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