

MTN500 Motion Tracking System

Technical Specifications

The MTN500 is a small, wireless measurement system designed for professional motion capture and analysis.

Sensor information

Dimensions	54x34x16 mm
Weight	22 g

Data and connectivity

Connectivity options	BLE 4.0, NFC
Raw data internal sampling rate	up to 1 kHz
Fused data internal sampling rate / Quaternions	up to 220 Hz
Maximum number of live devices	7
Maximum number of devices in logging mode	unlimited

Sensor information

Accelerometer	±2/4/8/16 g
Gyroscope	±250/500/1000/2000 °/s
Magnetometer	±4,9 G

Software

Windows OS 10 Application



Sensor simultaneous sampling rates

1 live device	220 Hz
2 live devices	110 Hz
3 live devices	55 Hz
4 live devices	55 Hz
5 live devices	27,5 Hz
6 live devices	27,5 Hz
7 live devices	27,5 Hz

Battery life and charging

Battery Life

Active time	12 hours
Idle time	2 weeks

Charging

QI compatible wireless charging, charger included	
Charging time	2h

The specifications are subject to change without notice.

