NANO 7 GNSS

The Nano 7 is the latest portable multi-functional GNSS receiver, from GeoMeasure which supports UHF, network and tilt RTK measurements. It is extremely light-weight, packaging high-end RTK performance in a compact hardened magnesium alloy structure. Compatible with MicroSurvey's FieldGenius, this is a fully featured survey and GIS receiver.



FEATURES

Linux Intelligent System

Powered by the Qualcomm Cortex-A7 and Linux, the Nano 7 brings efficient computing and unlimited expansion of product functions to users.



Multi-Constellation Support

With its 1408 channels, the Nano 7 provides excellent real-time solutions even in difficult environments. All GNSS constellations, GPS, GLONASS, BDS, Galileo, QZSS, SBAS and IRNSS are included.



Tilt Measurement

The Nano 7 has an integrated IMU tilt sensor that allows for up to 60° of tilt. Get shots in spots you never thought possible.



Integrated Wifi and Bluetooth

The new four-in-one antenna integrates GNSS, Wifi, Bluetooth and Cell, eliminating the need for an external antenna.



4G Cell Modem

The Nano 7 has an internal 4G modem that operates with more cellular network signals. Getting lightning fast connection to all available NTRIP networks.



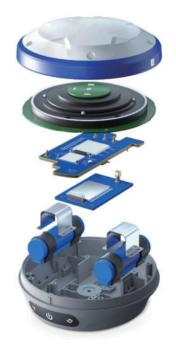
Long-Lasting Batteries

Built with high-capacity internal lithium ion batteries, the Nano 7 is capable of continuously working for up to 16 hours.



Peace of Mind

The Nano 7 is built with an IP68 ingress rating against water and dust. With a solid magnesium case, the Nano 7 can withstand 1.5m pole drops without any issues.



Nano 7 GNSS Professional Grade Positioning

Signal Tracking-

<i>,</i> ,,	Multi-Frequency GPS, GLONASS, BeiDou, Galileo, QZSS, IRNSS and SBAS GPS - L1CA/L1C/L2P/L2C/L5 GLONASS - G1/G2/G3 BeiDou - B1i/B2i/B3i/B1C/B2A/B2B GALILEO - E1/E5A/E5B/E6 QZSS - L1/L2/L5/ IRNSS - L5 SBAS - L1	
Data Update Rate:	Selectable from 1, 2, and 5 Hz	
Performance Specifications ————		
Signal Reaquistion	1: ≤ 1 s	
Cold Start:	≤ 30 s	
Hot Start:	≤ 15 s	
RTK Initialization Time: <10 s		
Initialization Reliability:≥ 99 %		
	K: 8 mm + 1 ppm Horizontal 15 mm + 1 ppm Vertical	
Static and Fast Static: 2.5 mm + 0.5 ppm Horizontal 5 mm + 0.5 ppm Vertical		
Standalone:	30 cm Horizontal 60 cm Vertical	
Electrical Specification		

Voltage:	5V
Charging Time:	<5 h
Working Time	≥ 16 Hours

Interface Serial Port: Supports Serial Communication USB: Type C Range Pole Interface: Standard 5/8" UNC Female Thread **UHF Port:** SMA Communication -Bluetooth 5.0: Dual-Mode BT 410 - 470 Mhz, Transmit and Receive UHF Frequency: Transmit Power: 0.5 W, 1.5 W Adjustable Over Air-Baud Rate: 9600 / 19200 Adjustable Range: 15 km Maximum Distance Environmental -Working Temperature: - 20 °C to + 60 °C Storage Temperature: - 40 °C to + 85 °C **Humidity:** 100 % Non-Condensing Ingress Rating: IP68 Shock: 1.5 m Pole Drop on Concrete Physical — **Housing Material:** Magnesium Aluminum Alloy **Dimension**: 147.9 mm x 68 mm Weight 740 g

bench-mark.ca rtkgpssurveyequipment.com

Phone: +1 (403) 286-0333 Toll-Free: +1 (888) 286-3204

