

NAVIK-200 GNSS RTK SYSTEM

AN ADVANCED AND RELIABLE SURVEYING SOLUTION



NAVIK-200 GNSS RTK SYSTEM



KEY FEATURES



Multi constellations Tracking

700+ tracking channels Supports GPS, Beidou, GLONASS, Galileo, IRNSS



Rugged Design

Rugged housing with IP67
Dustproof & Waterproof design.
Can survive 2 m drop onto concrete.



High level accuracy

Provides centimeter level accuracy no matter where you are



Greater efficiency with enhanced UHF

Upto 3 km range.
Tx/Rx in the frequency range of 866 MHz or 403 - 473 MHz optional.



Powerful Battery

Powered by high capacity (6800mAh) Li-ion battery to ensure continuous operation.



Integrated GNSS Receiver

Integrated with a GNSS board, Bluetooth and adjustable TX & RX UHF Radio.
Smoothly work with every type of CORS with 4G modem in-built.



Multi Network Connection

supports NTRIP, Wi-Fi, BLE, Radio, 4G

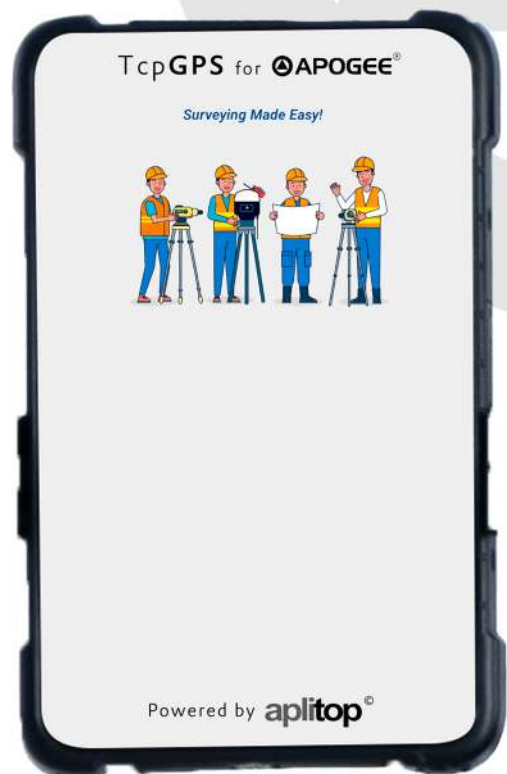


Easy to use

compact size with small weight (1.2 kg)



4G



Powered by **aplitop**

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SPECIFICATIONS

Satellite Signal Tracking

700+ channels for simultaneously tracking satellite signals.

Signals/Constellations Tracked

GPS.....	L1, L2, L2C, L5
GLONASS.....	L1, L2
GALILEO.....	E1, E5a, E5b
Beidou.....	B1, B2, B3
BeiDou Global Signal.....	B1C, B2a
IRNSS.....	L1, L5

Positioning Specifications

Accuracy

Standalone.....	1.5 m RMS
SBAS/GAGAN.....	1.0 m RMS
DGPS.....	<0.4 m RMS

Static

Horizontal.....	3 mm + 0.5 ppm
Vertical.....	5 mm + 0.5 ppm

RTK

Horizontal.....	8 mm + 1 ppm
Vertical.....	15 mm + 1ppm
RTK Convergence Time.....	<10 s
Max. Update Time.....	20 Hz

Data and Format

Protocols..... RTCM 3.X, Rinex 3.x, NMEA v3.0 CMR

Physical

Size.....	φ156x106
Weight.....	1.2 kg (Approx)

Environmental

Operating Temperature.....	-40° C to + 65° C
Storage Temperature.....	-40° C to + 70° C
IP Rating.....	IP67

Interfaces

Wireless.....	Wi-Fi, BLE, Radio, NTRIP, 4G
Wired.....	RS-232, USB

Navik 200 Model has following variations :

1. Navik 200 (With Radio)
2. Navik 200 Lite (Without Radio)



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