



NAVIK 50 GNSS RECEIVER

HIGHLY PRECISE, RELIABLE, INNOVATIVE



NAVIK 50 GNSS RECEIVER

APOGEE®

KEY FEATURES

MULTI CONSTELLATIONS TRACKING

184 TRACKING CHANNELS, SUPPORTS GPS, BEIDOU, GLONASS, GALILEO ETC.

RUGGED DESIGN

RUGGED HOUSING WITH IP67 DUSTPROOF & WATERPROOF DESIGN. IT CAN SURVIVE 2 M POLL DROP AND 1.2 M FREE FALL TO CONCRETE.

EASY TO USE

COMPACT SIZE ALONG WITH VERY EASY APP INTERFACE.

HIGH-LEVEL ACCURACY

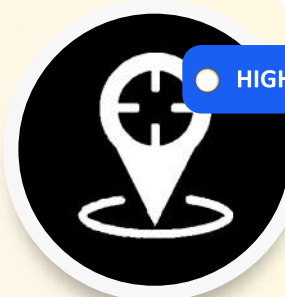
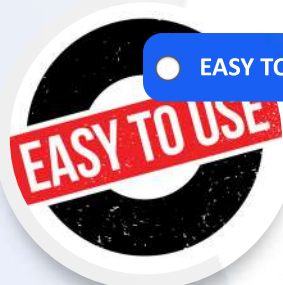
PROVIDES CENTIMETER-LEVEL ACCURACY NO MATTER WHERE YOU ARE.

MULTI NETWORK CONNECTION

SUPPORTS WI-FI, BLE, RADIO, NTRIP.

ENHANCED UHF RADIO

UPTO 3 KM RANGE WITH 1W POWER CONSUMPTION. TX/RX IN THE FREQUENCY RANGE OF 866 MHZ OR 403 – 473 MHZ (OPTIONAL). **NAVIK 50 ALSO AVAILABLE WITHOUT RADIO.**



NAVIK 50 GNSS RTK SYSTEM



SPECIFICATIONS

Satellite Signal Tracking

184 channels simultaneous tracking.

Signals/Constellations Tracked

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

Positioning Specifications

Accuracy

Standalone.....	1 m CEP
SBAS/GAGAN.....	upto 0.6 m CEP

Static

Horizontal.....	upto 10 mm + 1 ppm
Vertical.....	upto 10 mm + 1ppm

RTK

Horizontal.....	10 mm + 1 ppm
Vertical.....	15 mm + 1ppm
RTK Convergence Time.....	<10 s
Max. Update Rate.....	7 Hz

Data and Format

Protocols.....	RTCM 3.X, NMEA, NTRIP
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Physical

Size.....	143.95*65.00
Weight (Without Battery Pole).....	545 g
Weight (With Battery Pole).....	820 g

Environmental

Operating Temperature.....	-10° C to + 65° C
Storage Temperature.....	-25° C to + 70° C
IP Rating.....	IP67
Power Source.....	7 V to 20 V (12 V DC) External Battery Source

Interfaces

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



Navik 50 Model has following variations :

1. Navik 50 (with external battery)
2. Navik 50 (without external battery)



Apogee GNSS Pvt. Ltd. (AGPL)

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