Designed in the EU.

NAVTRON

N2

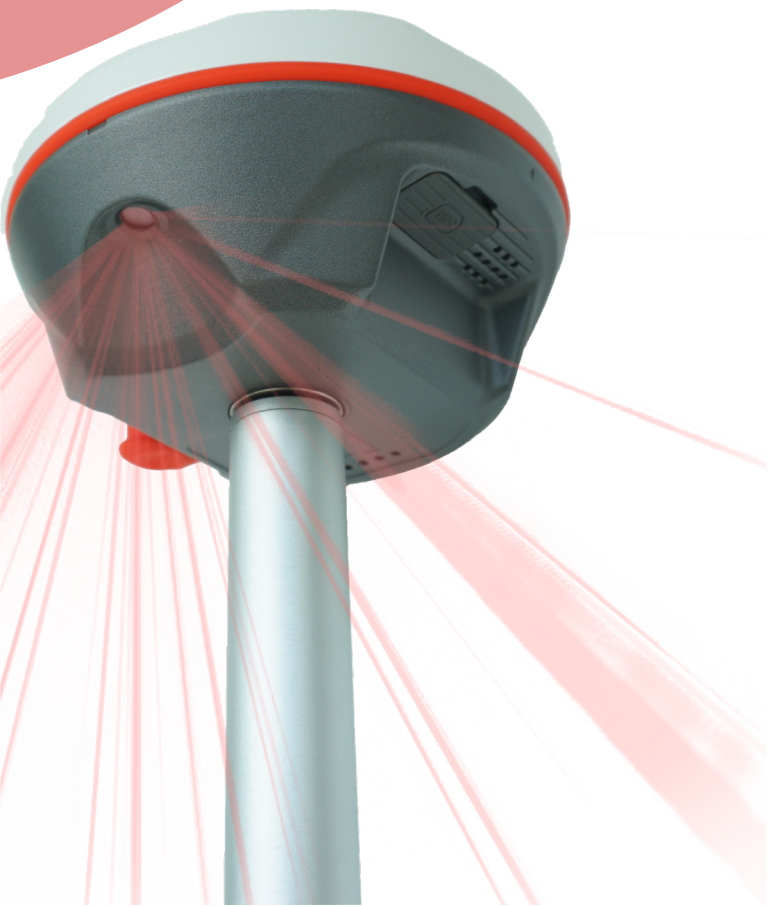
A state-of-the-art GNSS receiver that merges industrial-leading inspiring ideas and technologies, offering an efficient and productive solution to no matter amateur or professional.

STANDARD ADVANCED

1,808 / 1,760

channels

N2 is capable to track enormous signals of all constellations with stunningly fast fixing speed even under thick cover of trees or beside tall buildings. Coordinates will be examined twice to ensure an utmost accuracy.

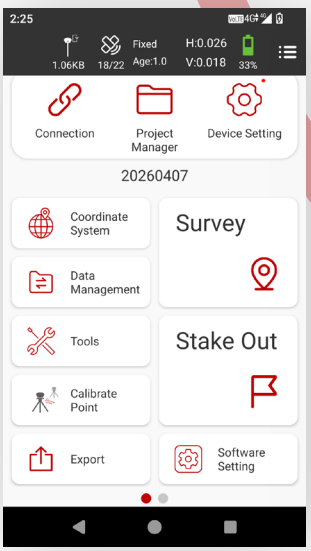


A unique AR stake-out solution that coordinates cameras both on controller and receiver. When you are quite away from the point, the controller shows you the general direction to the point. And when you are steps away from the point, the controller will shift to the camera beneath the receiver seamlessly and show a more accurate guidance to the point.

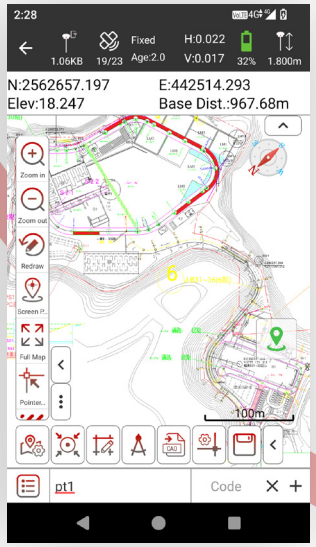
Equipped with 2W internal UFH Rx/Tx radio featured with advanced anti-magnetic interference technology, N2 provides a safe and stable datalink with a super long distance up to 20km.

NAVTRON IMU just eases your work with a outstanding experience. No need for calibration, no need for initialization. In a few seconds after getting fixed, you are in the tilt collect mode. Just tip the pole end to the point, especially those which are not easy to reach, within a tilt range of 60. Fast, easy, and reliable.

Advanced precise point positioning technology that provides real-time, centimeter-level corrections. Experience true mobility working without the constraints of a local base station or VRS network, with high-level accuracy delivered to you worldwide via satellite or cellular/IP.



Clear Structure & Abundant Programs



Sharp CAD & Satellite Map Display

NAVTRON FLOW

A professional Android app with user-friendly interface and powerful functionalities.

SPECIFICATIONS

SATELLITE PERFORMANCE (Standard)	
Channels	1,808
GPS	L1C/A, L2C, L2P(Y), L5
GLONASS	L1, L2
BEIDOU	B1i, B2i, B3i, B1C, B2a, B2b
GALILEO	E1, E5a, E5b, E6
QZSS	L1, L2, L5, L6
SBAS	L1, L5
L-Band	B2b-PPP, E6-HAS
Positioning Rate	Up to 50Hz

SATELLITE PERFORMANCE (Advanced)	
Channels	1,760
GPS	L1C/A, L1C, L2C, L2P, L5
GLONASS	L1C/A, L2CA, L3 CDMA
BEIDOU	B1I, B1C, B2a, B2I. B3
GALILEO	E1, E5a, E5b, E5 AltBoc, E6
QZSS	L1, L1C, L2C, L5, L6
SBAS	L5
L-Band	PPP SECORX
Positioning Rate	1-100Hz

ACCURACY	Horizontal (RMS)	Vertical (RMS)
Code Differential	0.4m	0.8m
Static	2.5mm+0.5ppm	3.5mm+0.5ppm
Real-time Kinemati	8mm+0.5ppm	15mm+0.5ppm
Network PPK	8mm+0.5ppm	15mm+0.5ppm
PPK	3mm+1ppm	5mm+1ppm
PPP	5cm	10cm

IMU MEASUREMENT	
Tilt Accuracy (No tilt angle limit)	2cm within 60°

DATA STORAGE	
Type & Storage	SSD 8GB External USB Pen drive
Data Transfer	Type-C USB Transfer Supports FTP/HTTP download
Differential Format	RTCM 2.1, RTCM 2.2, RTCM 3.0, RTCM 3.1, RTCM 3.2, RTCM 3.3, RTCM3.4, NMEA 0183,
Static Data Format	DAT, RINEX 2.x, RINEX 3.x, BINEX
GPS Output Format	VRS, FKP, MAC
Network Model	Ntrip fully supportable

CAMERA	
Optical Format	1/5"
Pixel Size	1.75*1.75μm
Active Pixel Array	1616*1232
Sensor	2 mega CMOS imaging sensors

COMMUNICATION	
I/O	Type-C (Fast Charge+Ethernet)
Antenna Port	All-in-one port for radio/GPRS antenna
Network Modem	Nano-SIM card LTE FDD, LTE TDD, UMTS, GSM
UHF Radio	2W Tx/Rx 410-470MHz
Protocol	TrimTalk, Satel, etc.
WiFi	IEEE 802.11 a/b/g/n/ac Hotspot/Data Link
Bluetooth	Bluetooth 2.1 + EDR and 4.0
NFC	Available

INTERFACES	
Button	1
LED Indicator	Data Link, Satellite, Bluetooth, Power

POWER SUPPLY	
Battery	Internal Li-on Battery 7.2V, 6,800mAh
Operating Time	Static mode 20h Rover mode 15h

PHYSICAL	
Dimension	74mm(H), 128mm (W)
Weight	740g
Operating Temp.	-30°C to 65°C
Storage Temp.	-40°C to 80°C
Proof	IP68 water and dust proof 2m drop on hard surface 40G 10ms sawtooth wave

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