



N9

**Efficient,
Tough,
Accurate,
and Instantly
Visible**



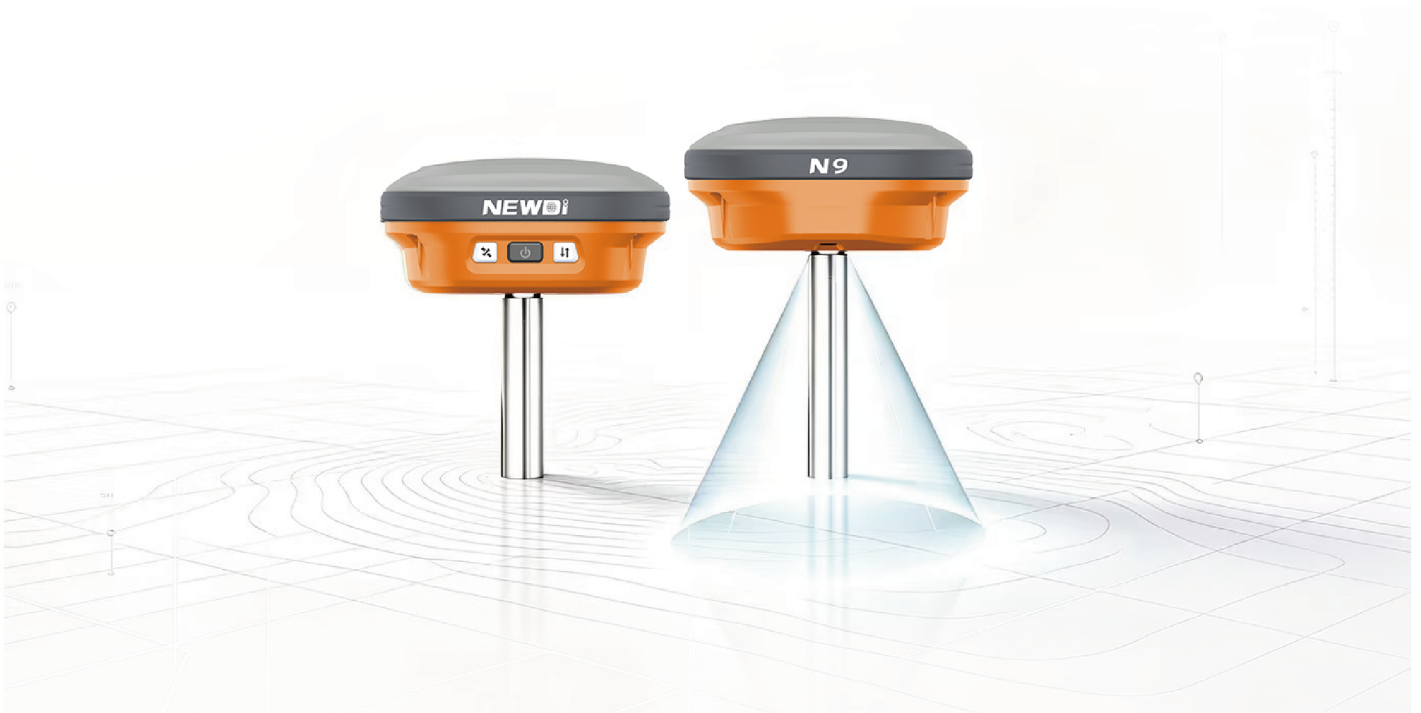
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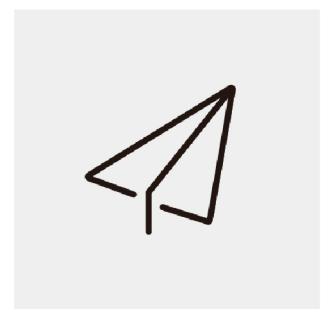
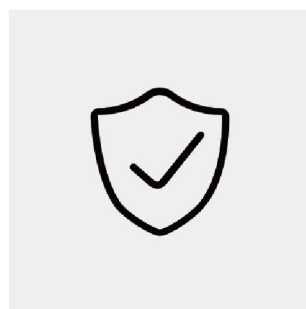
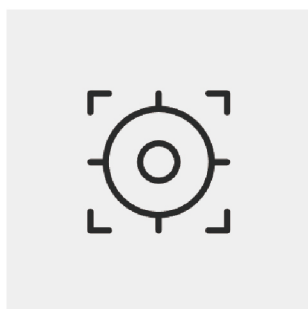
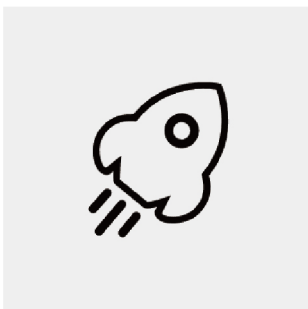
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N9 AR Stakeout – See it, walk it, stake it.

The AR Stakeout function on the Newdi N9 combines high precision GNSS positioning with live imagery from a single downward facing camera. The target point overlaid as an augmented reality icon directly on the controller's live view. Simply follow the on screen directional arrow and distance readout to walk straight to the point – what you see is where you need to be.



Key Advantages for the Field:



- Intuitive & fast– Zero learning curve, double the speed
- Pinpoint accuracy– Direction and distance at a glance
- Rugged & reliable– IP68 rated, works in extreme weather
- Ultra light & compact– Only 475 g, palm sized (115×56 mm), one hand operation

N9 Tilt Measurement – Off-level, still on point

Tilt up to $\pm 60^\circ$ with 2 cm accuracy – no compromise

The N9 integrates a high-precision IMU module that supports tilt surveying – no precise centering required. Perfect for collecting accurate data on slopes, ditches, and rugged terrain. Also ideal for measuring manholes, fire hydrants, and roadside infrastructure where vertical pole placement is difficult or unsafe – keeping you safer and more productive in the field.



Wide tilt range

Supports $\pm 60^\circ$ tilt, ideal for corners, trenches, and tight spots.

High precision tilt

Achieves **2 cm** accuracy, reliable data even at extreme angles.



No more leveling

Just point and measure, no centering needed – drastically **faster**.

Specifications

GNSS Performance

Channels	1408
BDS	B1I、B2I、B3I、B1C、B2a、B2b
GPS	L1 C/A、L1C、L2P (Y)、L2C、L5
GLONSS	G1、G2、G3
Galileo	E1、E5a、E5b、E6
QZSS	L1/L2/L5
NavIC	L5
SBAS	WAAS, GAGAN, MSAS, EGNOS, SDCM, BDS,HAS
Update Rate	20 Hz
Real time kinematic (RTK)	H: $\pm (8+1 \times 10^{-6}D)$ mm V: $\pm (15+1 \times 10^{-6}D)$ mm
PPP	Support PPP-B2b, E6B-HAS
Static and rapid static	H: $\pm (2.5+0.5 \times 10^{-6}D)$ mm V: $\pm (5+0.5 \times 10^{-6}D)$ mm
Code differential	H: 0.4 m V: 0.8 m
SBAS	H: 0.8 m V: 0.8 m

Data storage

Storage Capacity	8G
Differential Format	RTCM 3.x

Cameras

Bottom Stakeout Camera	
Resolution	2MP
FOV	88°

Port

TNC	Radio Antenna Port
Type-C	Charging & Data

Communication

Bluetooth	Bluetooth 5.0 with EDR and Backward Compatibility; BLE
WIFI	802.11 a/ac/b/g/n
Radio	Only RX Frequency Range: 410MHz – 470MHz Protocol: TRIMTALK、TRIMMK3、SOUTH、TRANSEOT、GEOTALK、GEOMK3、 SATEL、HITARGET、HZSZ、PCCEOT、PCCEOT_SATEL、PCCFST、 PCCFST_ADL、SATEL_ADL

Specifications

Input	Type C
Operating Time	· Operating Time: Up to 10 hours Conditions: With Mobile Station (Network mode), and AR all enabled

Physical Characteristics

Weight	475g
Dimensions	115 × 56 mm

Environmental Characteristics

Operating Temperature	– 30 ° C to +60 ° C
Storage Temperature	– 40 ° C to +80 ° C
IngressProtection Rating	IP68
Humidity	99 %
Drop Resistance	Survive a 2-meter pole-drop



NEWDI



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