TECHNICAL SPECIFICATIONS

GNSS SPECIFICATIONS

• Channel:	1226
• Signal Tracking:	GPS L1/L2, BeiDou B1/B2, GLONASS L1/L2, Galileo E1/E5b, QZSS, SBAS,IRNSS
• Accuracy:	8 mm + 1 ppm Horizontal RTK accuracy
	Azimuth: (0.2/R)° Roll or Pitch:(0.4/R)°
• Working temperature:	-40 °C to + 85 °C

T300 GNSS Receiver

• Channel:	965
• Signal Tracking:	GPS L1/L2/L5, BeiDou B1/B2/B3, GLONASS L1/L2/L3, Galileo E1/E5a/E5b/E6/AltBOC, QZSS L1/L2/L5, NAVIC L5, SBAS
• Accuracy:	8 mm + 1 ppm Horizontal RTK accuracy
• Size (W×H):	15.8 cm × 7.5 cm
• Weight:	0.95 kg (include 2 batteries)
• Working temperature:	-40 °C to + 80 °C

Display

• Display:	10.1 inch touchscreen
• Connections:	1×Type C port, 3×USB port, 1×TF card slot, 1×Dual-SIM card slot, 2×GNSS Antenna port, 1×UHF Antenna port, 1×4G antenna port, 3×Lemo port
• Resolution Rate:	1280×720
• Dimension:	268mm×182mm×36mm
• Weight:	1022g
• Waterproof and dust proof:	IP66
• Input voltage:	5V-16V DC
• Power consumption:	<15W

Antenna

• Signal tracking:	Full constellation and multi-frequency
• Dimension:	Φ147×67.7mm
• Connector:	TNC Female
• Weight:	≤500 g
• Operating Temperature:	-40 °C to + 70 °C
• Humidity:	95% No-condensing

Specifications subject to change without notice.

ComNav Technology Ltd.
Building 2, No. 618 Chengliu Middle Road,
201801 Shanghai, China

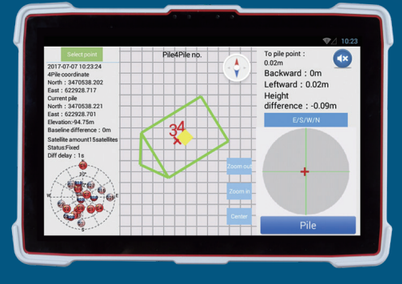
Tel : +86 21 64056796
Fax: +86 21 54309582

Email: sales@comnavtech.com
www.comnavtech.com

SinoGNSS®
By ComNav Technology Ltd.

PROFESSIONAL POSITIONING SOLUTION

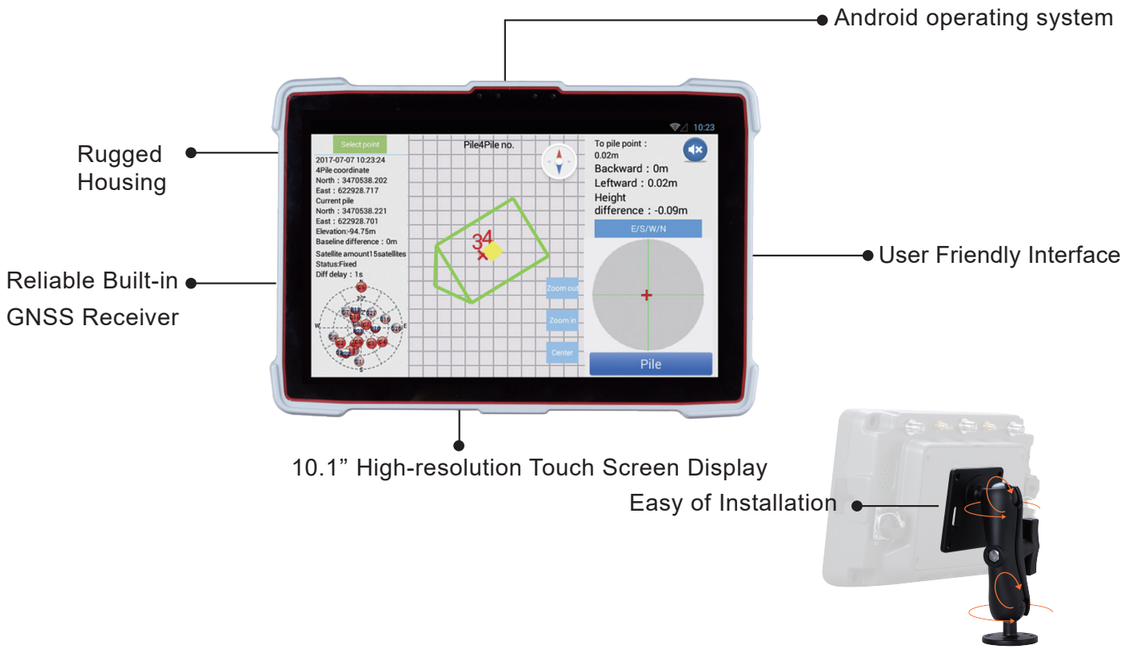
For high-accuracy piling



WORK WITH TWO ANTENNAS

10.1" High-resolution Display
66 IP66
Android OS
Easy Operation
Reliable Anytime
Input Saving

Designed for static pressure pile project, SinoGNSS high-precision piling solution is an easy-to-use piling system that able to deliver centimeter-level piling positioning accuracy for multiple construction applications. It largely boosts field produc-tivity and reduces rework compared to traditional leveling method.



HIGHLY INTEGRATION DESIGN

10.1'' high-resolution tablet with integrated high-precision GNSS engine allows you easier installation and operation

2CM REAL-TIME PILING ACCURACY

SinoGNSS high-accuracy piling system ensures proven 2 cm real-time piling accuracy, while reducing labor cost for your construction

FLEXIBLE RTK CORRECTION DATA RESOURCE

Acquire correction via internal UHF by setting up SinoGNSS T300 as the base. It also allows you to connect local CORS to get correction

CAD BASE MAP SUPPORT

Directly import your CAD base map to achieve efficient points piling, and manage your project in CAD view

RELIABLE EVERYWHERE ANYTIME

Its integrated GNSS engine tracking full constellations that enables the system to work even in significant weather challenges, helping you reduce construction schedule

USER FRIENDLY INTERFACE

Pressure sensitive touchscreen with graphic icon design provides you an intuitive user interface, ensuring an efficient piling workflow even for untrained operators

SINOGNSS T300 GNSS RECEIVER

With SinoGNSS QUANTUM™ Technology and internal UHF design, the T300 GNSS receiver is one of the most reliable choices set as the base, providing stable correction data to your piling system.

- Multi-constellation tracking
- Long baseline RTK
- Rugged IP67 dust & water-proof certified
- Internal TX & RX UHF with 3-5km work distance
- Easily configuration with Android-based software

Antenna

AT360 GNSS ANTENNA

The AT360 antenna is surper performance GNSS Antenna tracking GPS L1/L2/L5, GLONASS L1/L2, BDS B1/B2/B3, Galileo E1/E5a/E5b, SBAS and L-Band. The rugged magnetic mount helps you easily fix antennas on piling machines.

- Strong multipath rejection capability
- Stable signal tracking performance
- Water& Dust & Lightning Proof design
- Robust antenna magnetic mount

FIELD SOFTWARE

PILEMASTER SOFTWARE

- Intuitive piling interface
- Graphic icon design
- Clear element management
- Up to 10000 points import
- Support Excel, TXT and CAD import