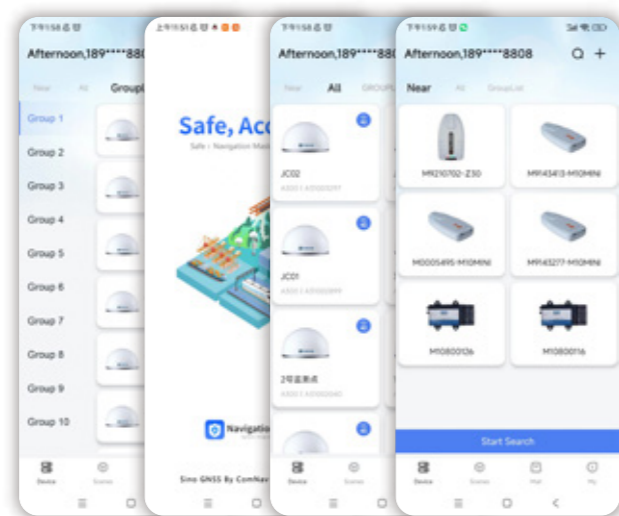


# SOFTWARE

## Navigate Master

- Android-based application supports quick configuration and status viewing.
- With measurement and stakeout function, it can measure AB line and areas.
- Support map view and real-time display.
- Support remote configuration anytime anywhere.
- Support alarm setting.



## NaviCloud

- Real time location display
- History trajectory query
- Remote control
- Electric fence
- Support customization based on customer's needs



# SPECIFICATION

### SIGNAL TRACKING

Channels	965
GPS	L1 C/A, L1C, L2C, L2P, L5
BeiDou	B1I, B2I, B3I, B1C, B2a, B2b
GLONASS	G1, G2, G3
GALILEO	E1, E5a, E5b, E6c, E5 AltBOC
QZSS	L1C/A, L2C, L5, L1C
IRNSS	L5
SBAS	WAAS, EGNOS, MSAS, GAGAN,SDCM,BDSBAS

### POSITIONING SPECIFICATIONS

Post Processing	2.5 mm + 1 ppm Horizontal 5 mm + 1 ppm Vertical
Single Baseline RTK	8 mm + 1 ppm Horizontal 15 mm + 1 ppm Vertical
DGPS	<0.4 m RMS
SBAS	1 m 3D RMS
Standalone	1.5m 3D RMS

### ELECTRICAL

Power supply	5V 2.5A DC with TYPE-C
Power consumption	<2W
Battery Capacity	5000mA, up to 10 hours

### PHYSICAL

Size	77.9mm×139mm×15.6mm
Weight	About 185g
Antenna	In-built Antenna
Indicator LED	1*Power light, 1*Satellite light, 1*Differential light
Button	1*Power button, 1*SOS button

### PERFORMANCE SPECIFICATIONS

Cold start	<50 s
Hot start	<10 s
RTK Initialization time	<5 s
Signal reacquisition	<1 s
Initialization reliability	>99.9%
Time accuracy	20 ns

### DATA FORMAT

Correction data I/O	RTCM 2X, 3.X, CMR (GPS only), CMR+ (GPS only)
Position data output	- ASCII: NMEA-0183 GSV, RMC, HDT, GGA, GSA, ZDA, VTG, GST; PTNL, PJK; PTNL, AVR; PTNL, GKG - ComNav Binary update to 20 Hz

### COMMUNICATIONS

Bluetooth® 4.0	Compatible with Android™ and Windows™ Mobile OS
4G module	Support Ntrip and Top protocol

### ENVIRONMENTAL

Working temperature	-20 °C to +60 °C
Storage temperature	-30 °C to +70 °C
Humidity	100% no condensation
Waterproof and dustproof	IP65
Shock	Designed to survive a 1m drop onto concrete

Specifications subject to change without notice.

**SinoGNSS**<sup>®</sup>  
By ComNav Technology Ltd.

# Z30

## Portable GNSS Receiver

YOUR SECURITY EXPERT  
IN THE FIELD OF HIGH-PRECISION POSITIONING



One-Click Alarm



Personnel Positioning



Intelligent Management



Electric Fence



**SinoGNSS**<sup>®</sup>  
By ComNav Technology Ltd.

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

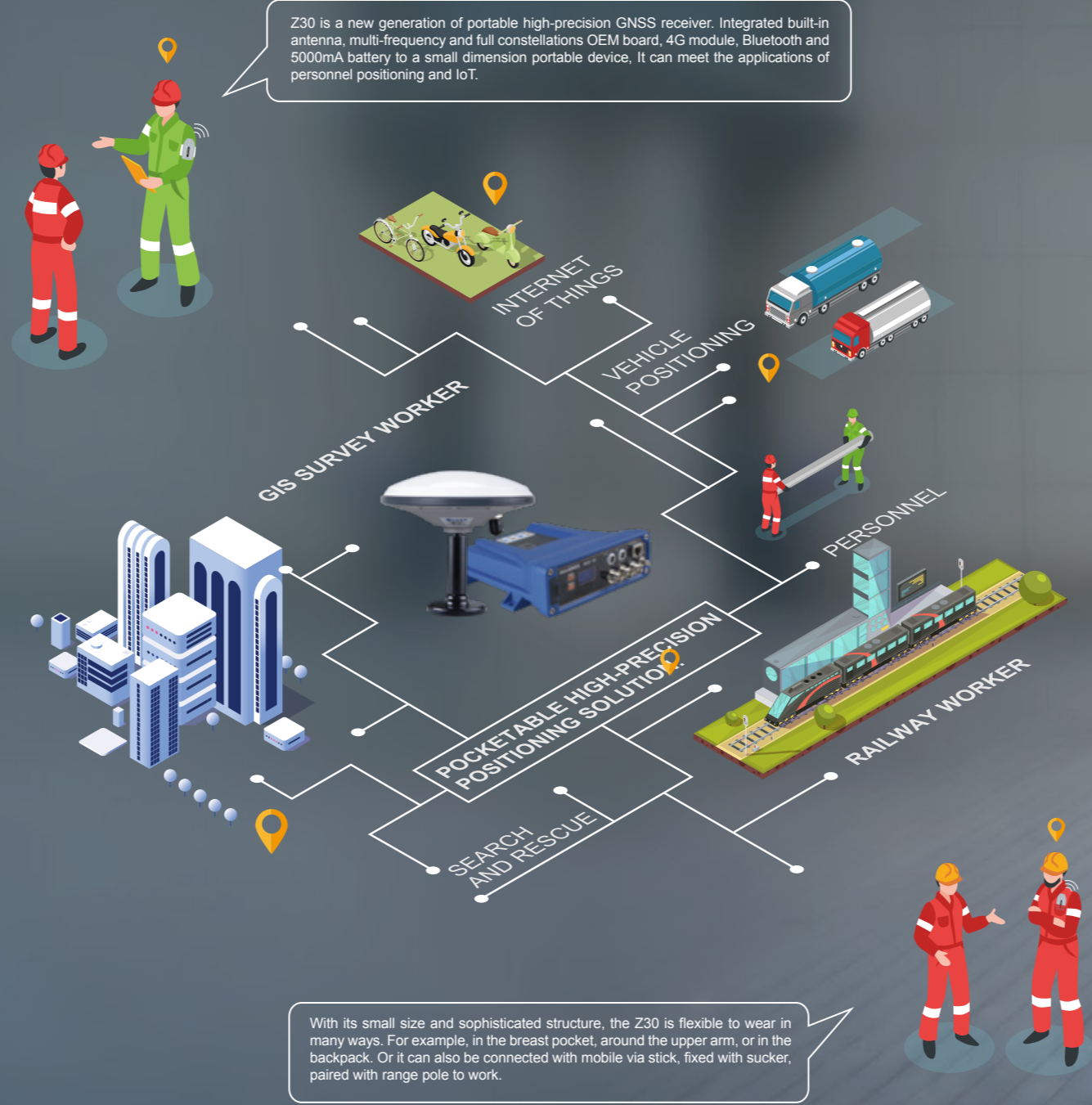
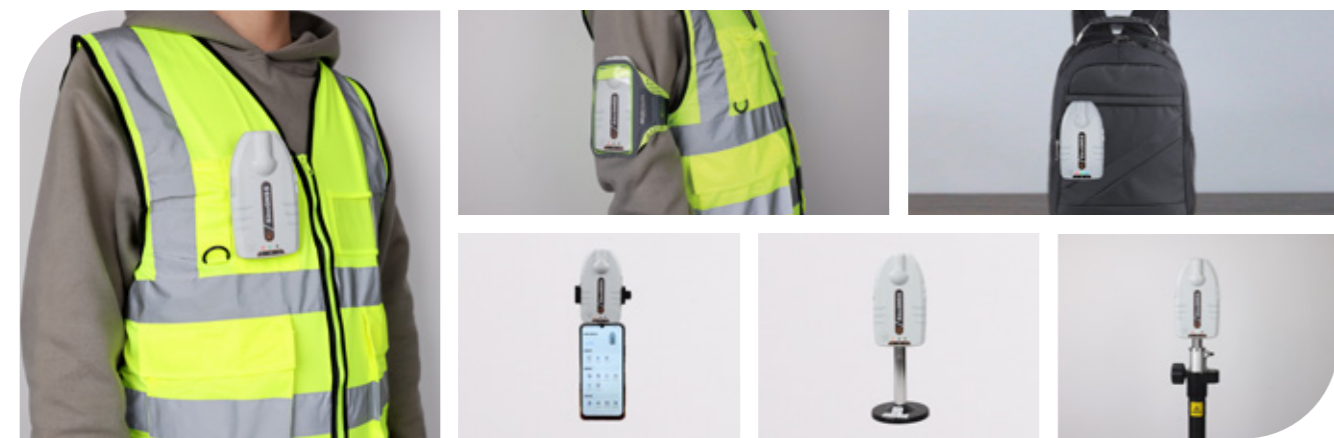
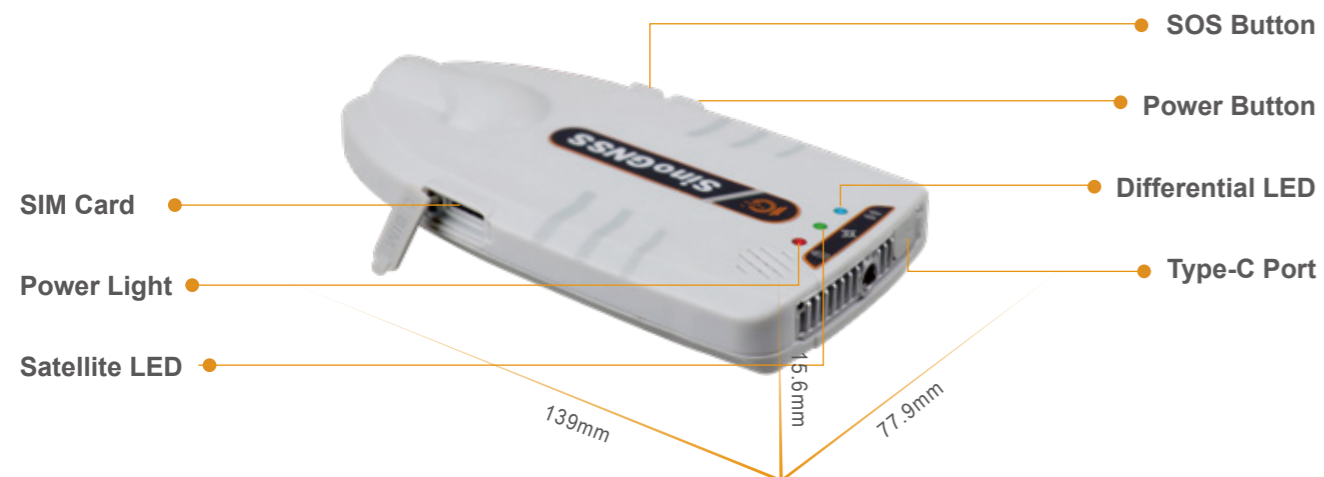
Web: [www.comnavtech.com](http://www.comnavtech.com)  
Email: [sales@comnavtech.com](mailto:sales@comnavtech.com)  
Tel : +86 21 64056796  
WhatsApp: +86 13262570280

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# Z30 GNSS RECEIVER

Z30 is the latest generation of portable high-precision GNSS receiver. With a built-in antenna, multi-frequency and full-constellation K803 low-power positioning module, Z30 can quickly achieve centimeter-level positioning. Also combined 4G module, Bluetooth and 5000mA battery into a small portable device, Z30 is easy to carry and install.



# FEATURES



**FULL-CONSTELLATION MULTI-FREQUENCY**  
With a built-in antenna and SinoGNSS K8 platform, Z30 can track full-constellation and multi-frequency, obtain centimeter level positioning.



**SLIM & COMPACT DESIGN**  
Z30 is as thin as a notebook. With more installation holes on jacket, it can be fixed in more ways, providing users with a more comfortable experience during using.



**SUPPORT SECONDARY DEVELOPMENT**  
Z30 can be easily used for a wide range of positioning applications by uploading the position data. It supports secondary development and has strong compatibility.



**REAL TIME TRACKING**  
Combined with NaviCloud, functions such as historical track query, electric fence, equipment management and rescue management could be achieved. It supports one-click alarm and remote location monitoring escort your personal safety.



**RUGGED HOUSING**  
IP65 waterproof and dustproof enables field work even in harsh environments. It is also designed to survive a 1m drop onto concrete.



**LONG BATTERY LIFE**  
Z30 is integrated with 5000mA battery, provides up to 10 hours operation in the field. Additionally, it can be charged with power bank

- SOS**  
One-Click Alarm
- Personnel Positioning
- Intelligent Management
- Security
- Electric Fence
- IP65**  
Waterproof & Dustproof
- Remote Configuration
- APP**  
APP fast access