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# Accessories

## PRODUCT BROCHURE



- GNSS Receiver Manufacturer
- Professional OEM&ODM
- Over 15 years experience in R&D and manufacturing

# ABOUT US

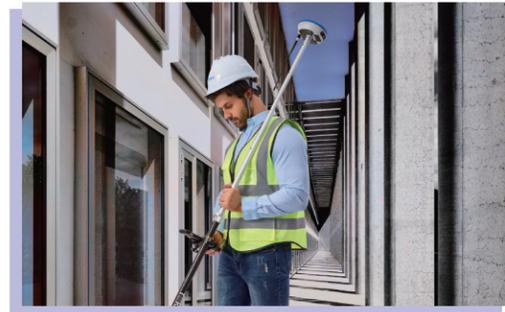
## Company Introduction

Guangzhou Toksurvey Information Technology Co., Ltd. was founded in 2019 by a team of R&D engineers. The company team has nearly 15 years of R&D background. At present, the company has nearly 2,500 square meters of office and factory, complete set of research equipment, and strong technical background.



Our company is committed to the R&D, production and sales of high-precision satellite positioning terminal products. More than 60% of the employees are engineers. Driven by technological innovation, the company maintains a steady growth rate of 60% every year.

At present, the company has successfully launched high-precision GNSS RTK (T5 series, T10 series, T20 series and T30 series), portable RTK receiver (P8 series), high-precision CORS station (NET660 series), data controller, GNSS antenna, and pre-marking robot to the market. We not only provide positioning products, but also provide a series of application solutions.



## Our Targets



Make positioning more precise and easier.

**Mission**



Working together to improve global surveying quality.

**Vision**



To become a leader in the global surveying and mapping service.

**Value**



Your reliable supplier in positioning!

**Slogan**

## Fields of Application

TOKNAV products can be widely used in precision surveying & mapping, mining operations, deformation monitoring, autonomous driving and other fields. We currently have a number of mature GNSS application solutions, such as deformation monitoring, CORS network, pre-marking robots, etc. TOKNAV products have passed CE, FCC, KC, NGS, IGS and other certifications, and are exported to more than 70 countries and regions around the world. Our products are well received in the global market, and now we have become a system integration supplier in the global market.



**Construction**



**Monitoring**



**Mapping & GIS**



**Surveying**



**Agriculture**



**Marine**

## Certifications

Antenna Code	Model	Label	Access Calibrations for All Antennas	Help Links
Toknav	Individual calibrations for Antennas	NOTE: Depend on ARP or NRP abbreviation		
TINV10PRO	TCB	VERIFICATION OF CONFORMITY	TCB	
TINV20	TCB	TCB	TCB	
TINV20PRO	TCB	TCB	TCB	
TINVT5	TCB	TCB	TCB	
TINVT5LITE	NONE	Drawing Label Size	ANTEX ANTINFO	Toknav T5LITE w/integrated antenna



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# ACCESSORIES



## Antenna suction cup base and connecting rod



5/8"-11 UNC Connector, Vertical Adsorptive Capacity: 25kg, Applicable Model: T series Receivers and every kind of Antenna.

P/N: TKA0027

## Tribrach



5/8"-11 Internal Thread, Accuracy: 0.8mm/0-2m+, Work with Aluminum Tripod.

P/N: TKA0004

## Black Tribrach



With Optical Plummets, Work with Aluminum Tripod.

P/N: TKA0028

## Black Tribrach Connector



5/8"-11 UNC, Applicable Model: T series Receivers and every kind of Antenna.

P/N: TKA0028-1

# Accessories

## Controller Bracket - A



Applicable Model: PCR100

P/N: TKA0003

## Controller Bracket - B



Applicable Model: PCR100U, PCR300, PCR500.

P/N: TKA0003-1

## Extension Bar



30cm Extension Bar, to elevate the TOKNAV GNSS receiver.

Applicable Model: Receivers and other accessories.

P/N: TKA0023

## Tribrach Adapter



Work with Tribrach, T series Receivers and etc.

P/N: TKA0007

## Height Measuring Plate



Help you on measuring the antenna height.

P/N: TKA0006

## Aluminum Alloy Tripod



Aluminum Alloy Trip equipped with back strap and side fixed spiral, suitable for all stations, levelers, lasers and prisms.

Minimum Length: 105cm Maximum Length: 167cm

P/N: TKA0012

## Toknav Carbon Fiber Pole



Maximum: 2.1m

Minimum: 1.25m

P/N: TKA0005

## 2.5m Pole



Maximum: 2.5m

Minimum: 1.38m

P/N: TKA205

# Accessories

## Mini Tripod



minimum height: 150mm  
maximum height: 109mm

P/N: TKA20

## Tape Blade



help you on measuring the height of antenna and others.

P/N: TKS0003

## TKB1000 RTK Power Bar



working as a power supply, for extending the battery backup.

Rated Capacity: 9000mAh  
Nominal Capacity: 9500 mAh  
Min. Capacity: 9000 mAh  
Pack Weight:  $\approx$  709g  
Pack Impedance:  $\leq$  200m $\Omega$

Operating Temperature Range  
Charging: 0 ~ 45 °C  
Discharging: -20 ~ 50 °C

P/N: TKB1000

## TKB 1000-C RTK Low Temperature Power Bar

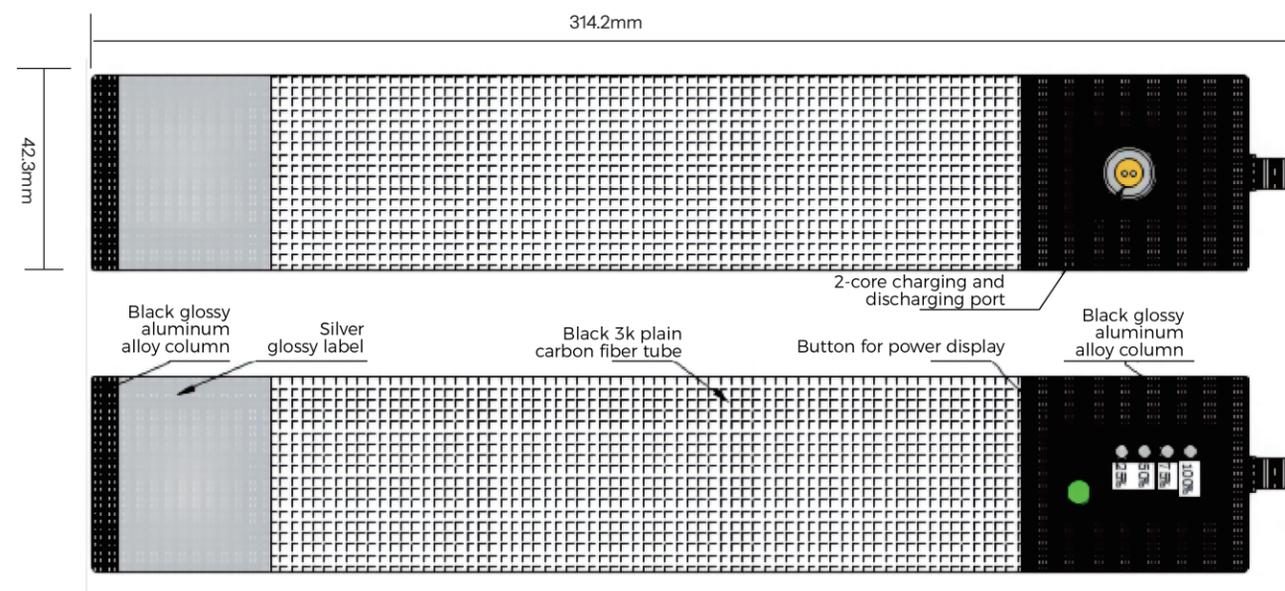


working as a power supply, for extending the battery backup. It can work in an extrem low environment.

Rated Capacity: 9000mAh  
Nominal Capacity: 8400 mAh  
Min. Capacity: 8100 mAh  
Pack Weight:  $\approx$  712g  
Pack Impedance:  $\leq$  180m $\Omega$

Operating Temperature Range  
Charging: 0 ~ 60 °C  
Discharging: -40 ~ 60 °C

P/N: TKB1000-C



» For more details of power bar, please check the specification

# POWER ADAPTER



## CC Data Cable



1.2m Fast Charge Data Cable, USB Type-C to USB Type-C Port.

P/N: L090104-C2

## Type-C Data Cable



1.2m Fast Charge Data Cable, USB Type-C to USB Port.

P/N: L090101-C1

## USB Power Adapter



Type C 5V2A USB Power Adapter. For charging your receiver or controller, USB available, QC3.0/MTK 2.0 Fast Charge supported.

Applicable Model: T5/T5Lite/T10Pro/P8 Series/PCR Series.

P/N: AD0001E

## USB Power Adapter



Type A 5V2A USB Power Adapter. For charging your receiver or controller, USB available, QC3.0/MTK 2.0 Fast Charge supported.

Applicable Model: T5/T5Lite/T10Pro/P8 Series/PCR Series.

P/N: AD0003N

## PD Power Adapter



Type A 33W PD Power Adapter. For charging your receiver or controller, USB Type-C available.

Applicable Model: T20Pro

P/N: AD0008N

## PD Power Adapter



Type C 33W PD Power Adapter. For charging your receiver or controller, USB Type-C available.

Applicable Model: T20Pro

P/N: AD0004E

# Power Adapter

## Lemo Power Adapter



Type C 2-Pin Lemo Power Adapter.  
 Applicable Model: NET660, NET660i, NET660i-H.  
 P/N: AD0005-2

## Lemo Power Adapter



Type A 2-Pin Lemo Power Adapter.  
 Applicable Model: NET660, NET660i, NET660i-H.  
 P/N: AD0004-2

## RTK Battery Pole Power Adapter



Type C RTK Battery Pole Power Adapter.  
 Applicable Model: TKB1000, TKB1000C.  
 P/N: AD0007E

## RTK Battery Pole Power Adapter



Type A RTK Battery Pole Power Adapter.  
 Applicable Model: TKB1000, TKB1000C.  
 P/N: AD0002N

## The power supply cable between power bar and receiver



Connect the power bar with your receiver, as a power supply.  
 Applicable Model: T10Pro, T20Pro.  
 P/N: L090103-BR

# ANTENNA



## External Radio Terminal Antenna



Applicable Model: External Digital Radio DL8635.  
 P/N: TCA0024

# Antenna

## 410-470MHz Full Frequency Antenna



SMA male connector, Gain: 2dbi, Length:105mm, Whip.  
Applicable Model: T5.

P/N: TCA0009

## 450-470MHz Radio Terminal Antenna



SMA male connector, Gain: 4dbi, Length:305mm, Whip.  
Applicable Model: T10Pro, T20Pro.

P/N: TCA0003

## 4G Full Netcom Antenna



MCX or other connectors, Gain: 2.0dB, Operating Temperature  $-40^{\circ}\text{C}$   $+85^{\circ}\text{C}$ , Magnetic Installation.  
Applicable Model: NET660, NET660i, NET660i-H.

P/N: TCA0020

## WIFI Antenna



Applicable Model: NET660.

P/N: TCA0019

# ACCESSORY



Your helmet protects your head from damage, reduces the impact on your head, improves night visibility in your reflective vest, and reminds pedestrians or vehicles around you to keep you safe and secure in any environment.

## TokNav White Helmet



P/N: TKS0001

## TokNav Vest



P/N: TKS0002

# WIRE



## 7-Pin LEMO to DB9+USB Cable



7-Pin 0B LEMO Plug\*1, USB Male \*1, DB9 Female\*1, Length: 1.5m.

Applicable Model: T10Pro, T20Pro, NET660i, NET660i-H and etc.

P/N: L090106-P7

## 7-Pin LEMO to DB9+USB Female Cable



7-Pin 0B LEMO Plug\*1, USB Female\*1, DB9 Female\*1, Length: 1.5m.

Applicable Model: NET660.

P/N: L090107-P7

## 15M GNSS Antenna Cable



TNC-TNC Connector,  
Applicable Model: NET660, NET660i, NET660i-H.

P/N: TCB0015

## 30M GNSS Antenna Cable



TNC-TNC Connector,  
Applicable Model: NET660, NET660i, NET660i-H.

P/N: TCB0030

## 7-Pin RTK External Radio Connector Cable



Connect the External Radio with the Receiver and Power  
Applicable Model: DL8635, T10Pro, T20Pro.

P/N: L090102-P7

## DB9 Male to Male



Multiple devices supported, and can provide high-speed data transmission.

P/N: TKA0026

# CASE



## T5Lite/T5 Series ToolKit

available space: receivers\*1, Antenna\*1, Chargers\*1 and corresponding cables.

Dimension: 180X170X90mm Weight: 0.3kg  
Material: 1680D Oxford Cloth Housing, EVA Liner

P/N: T5&T5Lite-EVA-001



## Foam RTK Rover Kit (T5Lite/T5)

available space: receivers\*1, Receiver/Controller Charger\*2, Tribach Adapter\*2, Manual\*1, Antenna\*1, Controller\*1, Controller Bracket\*1 and corresponding cables.

Dimension: 391X289X136mm Weight: 0.3kg  
Material: EPP

P/N: PMS05.0010



## Foam RTK Rover Kit (T10Pro)

available space: receivers\*1, Receiver/Controller Charger\*2, Tribach Adapter\*2, Manual\*1, Antenna\*1, Controller\*1, Controller Bracket\*1 and corresponding cables.

Dimension: 391X289X136mm Weight: 0.3kg  
Material: EPP

P/N: PMS10.0011



## RTK Rover Kit (T5Lite/T5)

available space: receivers\*1, Receiver/Controller Charger\*2, Extension Bar/RTK Power Bar\*1, Tribach Adapter\*1, Power Adaptor for Power Bar\*1, Controller\*1, Controller Bracket\*1, Antenna\*1, Manual\*1, Height Measuring Plate\*1, and corresponding cables.

Dimension: 356X313X162mm Weight: 1.9kg  
Material: PP Housing, EPP Liner

P/N: PMS20.004



## RTK Rover Kit (T10Pro)

available space: receivers\*1, Receiver/Controller Charger\*2, Extension Bar/RTK Power Bar\*1, Tribach Adapter\*1, Power Adaptor for Power Bar\*1, Controller\*1, Controller Bracket\*1, Antenna\*1, Manual\*1, Height Measuring Plate\*1, and corresponding cables.

Dimension: 356X313X162mm Weight: 1.9kg  
Material: PP Housing, EPP Liner

P/N: PMS10.005



## RTK Rover Kit (T20Pro)

available space: receivers\*1, Receiver/Controller Charger\*2, Extension Bar/RTK Power Bar\*1, Tribrach Adapter\*1, Power Adaptor for Power Bar\*1, Controller\*1, Controller Bracket\*1, Antenna\*1, Manual\*1, Height Measuring Plate\*1, and corresponding calbes.

Dimension: 356X313X162mm Weight: 1.9kg  
Material: PP Housing, EPP Liner

P/N: PMS20.001



## 1+1 RTK Toolbox (T10Pro)

available space: receivers\*2, Receiver/Controller Charger\*3, Controller\*1, Extension Bar\*1, Tribrach Adapter\*2, Bracket\*1, External Digital Radio\*1, Tape Blade\*1, Height Measuring Plate\*1, Antenna\*2, and corresponding calbes.

Dimension: 478X393X204mm Weight: 3.9kg  
Material: PP Housing, EVA Liner

P/N: PMS10.0013



## RTK Base Kit (T10Pro)

available space: receivers\*1, Receiver/Controller Charger\*2, Extension Bar\*1, Tribrach Adapter\*2, External Digital Radio\*1, Antenna\*1, Height Measuring Plate\*1, Tape Blade\*1, Manual and corresponding calbes.

Dimension: 356X313X162mm Weight: 2.05kg  
Material: PP Housing, EVA Liner

P/N: PMS20.0014



## 1+1 RTK Toolbox (T20Pro)

available space: receivers\*2, Receiver/Controller Charger\*3, Controller\*1, Extension Bar\*1, Tribrach Adapter\*2, Bracket\*1, External Digital Radio\*1, Tape Blade\*1, Height Measuring Plate\*1, Antenna\*2, Manual\*1, RTK Power Bar, Power Adaptor for Power Bar and corresponding calbes.

Dimension: 478X393X204mm Weight: 3.9kg  
Material: PP Housing, EVA Liner

P/N: PMS20.0012



## RTK Base Kit (T20Pro)

available space: receivers\*1, Receiver/Controller Charger\*2, Extension Bar\*1, Tribrach Adapter\*2, External Digital Radio\*1, Antenna\*1, Height Measuring Plate\*1, Tape Blade\*1, Manual and corresponding calbes.

Dimension: 356X313X162mm Weight: 2.05kg  
Material: PP Housing, EVA Liner

P/N: PMS20.002



## ToolKit

Containing Tape\*1, 5mm socket\*1, 5.5mm socket\*1, PH00 screw driver\*1, PH1 screw driver\*1, T8 screw driver\*1, SMA/LEMO screw driver\*2, 8mm L type socket\*1, Tweezers\*1.

Dimension: 330\*230\*80mm Weight: 1.03kg  
Material: 680D Oxford Cloth Housing, EVA Liner

P/N: TK0105.0015

