

## PERFORMANCE SPECIFICATIONS

### Satellite Signals Tracked Simultaneously

Channels.....	184
GPS.....	L1C/A, L2C
GLONASS.....	L1OF, L2OF
BDS.....	B1I, B2I
Galileo.....	E1-B/C, E5b
QZSS.....	L1C/A, L2C

### Positioning Performance

#### Real Time Kinematic (RTK) Surveying

Horizontal.....	± 30 mm + 1ppm
Vertical.....	± 50 mm + 1ppm

#### Post Processing Kinematic (PPK) Surveying

Horizontal.....	± 30 mm + 1ppm
Vertical.....	± 50 mm + 1ppm

### Physical

Internal Battery.....	3200mAh/7.2V
External Power.....	6-28V
Power Consumption.....	<2.2W
Full Charge.....	≤3.5h
Working Endurance.....	≥10h
Dimensions(L x W x H).....	65mm x 65mm x 166mm
Weight.....	≤540g

### Control Panel

Physical Button.....	1
LED Lamp.....	LED

### Environment

Water/Dustproof.....	IP65
Shock and Vibration.....	Survive from a 1.2m natural fall on to ground
Humidity.....	100%, condensing
Operation Temperature.....	-20°C~50°C
Storage Temperature.....	-30°C~60°C

### I/O Interface

1 x Type-C
1 x nano SIM
1 x DC power input (5 pin)

### Communication

Network Communication:
Full band support for 4G cellular mobile network(TDD-LTE, FDD-LTE, WCDMA, EDGE, GPRS, GSM)
WiFi frequency is 2.4G, support 802.11b/g/n protocol.
Support AP function

### Data Formats

Output Rate.....	1Hz position output, up to 5Hz
Message Type.....	RTCM 3.3
Data Output.....	NMEA
Navigation Outputs ASCII.....	RINEX

### System Configuration

Data Storage.....	8G Internal memory
Operation System.....	Linux
Initialization Time.....	<10s Typically



AUTHORIZED DISTRIBUTION PARTNER

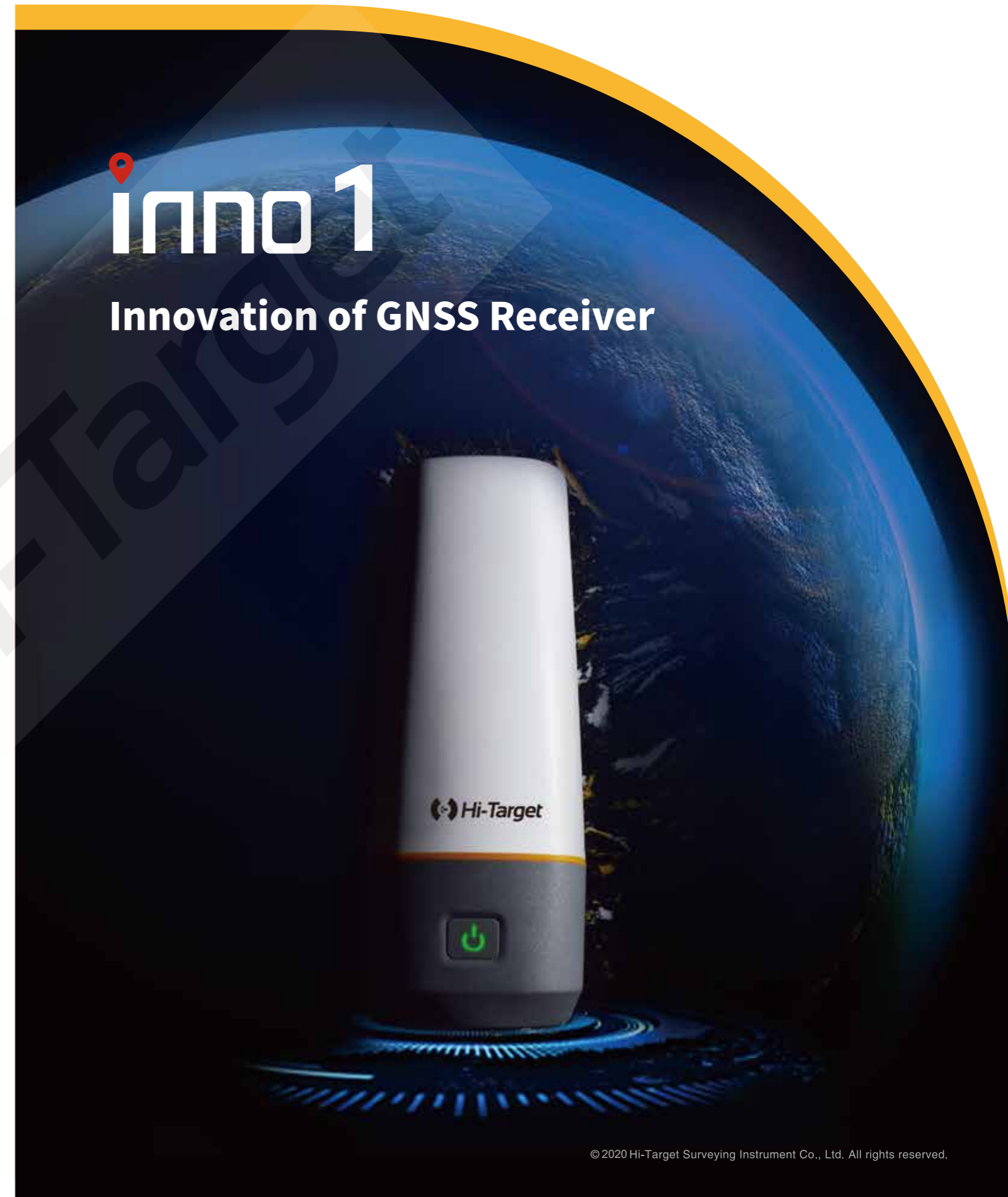
20M221

### Hi-Target Surveying Instrument Co. Ltd

ADD: Building 13, Tian'An Technology Zone HQ Center, No. 555,  
North of Panyu RD, Panyu District, 511400 Guangzhou, China.

www.hi-target.com.cn +86-20-28688296 info@hi-target.com.cn

CE IP65



# Powerful and Versatile GNSS Sensor to Enhance Positioning

With its cutting-edge technology, compatible and portable design, inno 1 brings users both centimeter-level positioning accuracy and excellent experience at a user-friendly cost.

inno 1 — born to enhance positioning for geospatial applications.



High precise positioning



2.4G WIFI Access point function



Compact and lightweight



Strong compatibility



Operation time  $\geq$  10hours

## Provides positioning with centimeter-level precision

inno 1 supports GPS/ GLONASS/ BeiDou/ Galileo/ QZSS satellite constellations, providing centimeter-level accurate and cost-friendly solutions for traditional surveying and GIS applications.

## Innovative, compact, rugged, but lightweight

With its one-piece plastic upper half shell and aluminum alloy lower half-shell, inno 1 is both portable and versatile. Its streamlined design and weight of just 540g mean this device can be carried anywhere and is perfectly suited to those applications where space is limited.

## Provides a variety of compatible possibilities

Compatible with most mobile devices, inno 1 even satisfies the high standards of applications that demand excellent performance, greater efficiency and easy accessibility.



## Application Insight

### ● ● ● Base Station for Drone Surveying

inno 1 delivers centimeter-level accuracy with extremely fast data update frequency. Its ability to receive more satellite signals within a limited time, even in tough conditions like built-up areas, makes inno 1 an ideal solution for drone surveying that requires highly dynamic data streaming.

### ● ● ● Flexible Sensor for Integration

inno 1 have compact design, flexible connectivity and reliable positioning performance, which can work as a sensor in monitoring, machine control and other high-precision applications.



### ● ● ● Easy Receiver for Geospatial Data Collection

As a user-friendly product with strong interaction functions, inno 1 is compatible with the various operating platforms of portable devices, offering users more autonomy and freedom when using geospatial applications — Surveying, GIS and Construction.

