

PERFORMANCE SPECIFICATIONS

Satellite Signals Tracked Simultaneously

Channels.....	440
GPS.....	L1, L2, L5
BeiDou.....	B1, B2, B3
GLONASS.....	L1, L2
Galileo.....	E1, E5A, E5B
QZSS.....	L1, L2, L5
SBAS.....	L1

POSITIONING PERFORMANCE

High-precision static GNSS Surveying

Horizontal.....	2.5mm + 0.5ppm RMS
Vertical.....	5mm + 0.5ppm RMS

Real Time Kinematic (RTK)

Single Base

Horizontal.....	8mm+1ppm RMS
Vertical.....	15mm+1ppm RMS

Network RTK

Horizontal.....	8mm+0.5ppm RMS
Vertical.....	15mm+0.5ppm RMS
Initialization time.....	Typically 2-10s
Initialization reliability.....	Typically > 99.9%

Communication

Network Communication

Bluetooth 4.0/2.1+EDR, 2.4GHz
 4G cellular mobile network (TDD-LTE, FDD-LTE, WCDMA, EDGE, GPRS, GSM)
 Wi-Fi frequency 2.4GHz, supports 802.11b/g/n protocol

Internal UHF Radio

Frequency..... 403-473MHz
 Channels..... 116 (16 adjustable)
 Transmitting power..... 1W/2W/4W adjustable
 Supports multiple protocols: HI-TARGET, TRIMTALK450S, TRIMMARK III, TRANSEOT, SATEL-3AS, etc.
 Working Range..... 3-5km typical, 5-8km optimal

Physical

Dimensions(W×H).....	164mm×83.5mm
Weight.....	≤1.4kg (includes battery)
Data storage.....	8G internal storage

I/O Interface

- 1 × Mini USB port
- 1 × TNC antenna connector
- 1 × DC power input (5-pin)
- 1 × SIM card slot

Internal Battery

5000mAh lithium-ion rechargeable and removable battery
 RTK Rover (UHF/Cellular) for 10 hours

External Power

6-28V DC external power input (5-pin port) with over-charge protection
 Power consumption..... 4.2W

Control Panel

Physical button.....	1
LED lamp.....	Satellite, Signal, Power

Environment

Water/Dustproof.....	IP67
Shock and vibration: Designed to survive a 2m natural fall onto concrete	
Humidity.....	100% condensing
Operation temperature.....	-45°C~+75°C
Storage temperature.....	-55°C~+85°C

External UHF Radio

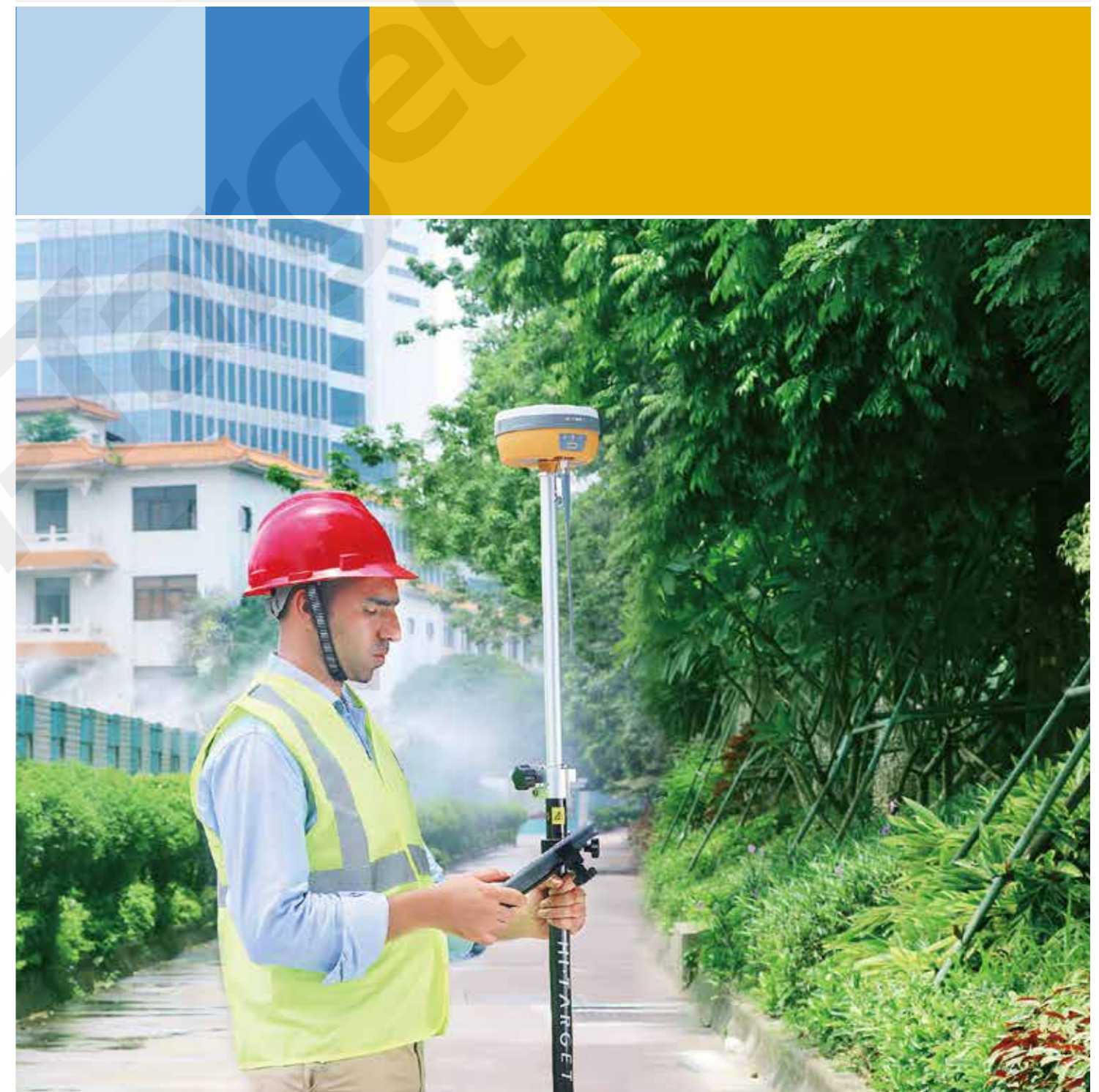
Frequency.....	410-470MHz
Channels.....	8
Transmitting power.....	5W/25W adjustable
Supports multiple protocols: TRIMTALK450S, TRIMMARK III, TRANSEOT	

Data Formats

Output rate.....	1-20Hz
Static data format.....	GNS, Rinex
Network model.....	VRS, supports NTRIP protocol
CMR&RTCM.....	CMR, RTCM 2.x, RTCM 3.0, RTCM 3.2
Navigation outputs ASCII.....	NMEA-0183

V30 PLUS

GNSS RTK SYSTEM



AUTHORIZED DISTRIBUTION PARTNER

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CE IP67

