

Ao Órgão 925866 - EAM - DE JUSTIÇA DO ESTADO DO AMAZONAS. Pregão Eletrônico N° 900232026. Apresentamos nossa proposta de preços.

Item	Descrição	Unidade	Qty	R\$ Unitário	Valor Total
2	1.3.2.2. ITEM 02 - RECEPTOR GNSS: 1.3.2.2.1. KIT COMPLETO INCLUINDO RECEPTOR, ANTENAS, CONTROLADORA, CABOS E LICENÇA DE SOFTWARE PARA PROCESSAMENTO ESTÁTICO E CINEMÁTICO (RTK/PPK). 1.3.2.2.2. CAPACIDADE DE REALIZAR CÁLCULOS DE LINHAS DE BASE, AJUSTES DE REDES E TRANSFORMAÇÃO DE COORDENADAS. 1.3.2.2.3. GARANTIA DE PRECISÃO CENTIMÉTRICA E COMPATIBILIDADE COM OS PADRÕES DO SISTEMA GEODÉSICO BRASILEIRO (SIRGAS2000). MARCA: HI TARGET MODELO/VERSÃO: V200	Unidade	1,00	18.895,44	18.895,44
				Valor total da proposta:	18.895,43

O valor total dessa proposta é de R\$18.895,43 (dezoito mil e oitocentos e noventa e cinco reais e quarenta e três centavos)

Dados Comerciais:

Prazo de Entrega: Conforme TR.

Validade da proposta: 60 dias

Banco: 001 - Banco do Brasil

Conta: 51848-4

Agencia: 4020-7

Observações:

- a) Declaramos que concordamos integralmente com as condições estipuladas na presente licitação e se vencedor deste certame, nos submeteremos ao cumprimento de seus termos.
- b) Declaramos ainda que nossa empresa não foi declarada inidônea nem encontra-se suspensa ou impedida de licitar e contratar com a Administração Pública.
- c) Para fins do disposto no Prejudgado 09 do Tribunal de Contas do Estado do Paraná e Acórdão 2745/10 - TCE/PR, declaramos que não possuímos sócio, cotista ou dirigente, bem como não possuímos em nosso quadro funcional nem iremos contratar empregados com incompatibilidades com as autoridades contratantes ou ocupantes de cargos de direção, de chefia, de assessoramento, que seja membro da comissão de licitação, Pregoeiro ou autoridade ligada à contratação.
 - c.1) Essa declaração possui validade enquanto perdurar o prazo de vigência/execução do Instrumento Contratual em tela.
 - c.2) Estou ciente de que qualquer alteração nas condições aqui declaradas obrigam a imediata comunicação à Administração, sob pena de aplicação das sanções cabíveis.
- d) Se vencedora, na qualidade de representante legal, assinará a Ata de Registro de Preços, o Sr(a). Tharcia Meira e Sá Prates Rocha, portador(a) da carteira de identidade RG nº 7779076 e CPF/MF nº062.341.244-61.
- e) A validade da proposta é de 90 (noventa) dias corridos, contados da data de recebimento das propostas, conforme estipulado no presente edital.
- f) Para contato informamos:
Responsável/Representante Legal (nome completo): Tharcia Meira e Sá Prates Rocha
Telefone Celular nº: (11) 91221.0899
E-mail: tmesp@outlook.com.br

DECLARAÇÃO DE INEXISTÊNCIA DE VÍNCULO FAMILIAR - Declaramos que não constam em nossos quadros societários servidores da FUA ou administradores que mantenham vínculo familiar com detentor de cargo em comissão ou função de confiança, atuante na área responsável pela demanda ou contratação, ou de autoridade a ele hierarquicamente superior, em cumprimento ao Acórdão Nº 409/2015 - TCU - Plenário.

Declara, sob as sanções administrativas cabíveis, inclusive as criminais e sob as penas da lei, que toda documentação anexada ao sistema é autêntica.

Declara, por ser de seu conhecimento, que se submete a todas as cláusulas e condições do Edital e seus Anexos, relativos a licitação supra, bem como, às disposições da Lei Municipal nº 13.278/2002, dos Decretos Municipais nºs 43.406/2003, 44.279/2003, 45.689/2005, 46.662/2005 e 56.475/15, da Lei Federal nº 10.520/2002, demais normas complementares e, subsidiariamente, a Lei Federal nº 8.666/93 e suas alterações e a Lei Complementar nº 123/2006, alterada pela Lei Complementar nº 147/2014.

Declara, outrossim, que o(s) preço(s) ofertado(s) inclui(em) todos os custos e despesas necessários ao cumprimento integral das obrigações decorrentes da licitação.

Declara, finalmente, sob as penas do art. 299 do Código Penal, de que terá a disponibilidade, caso venha a vencer o certame, do objeto licitado para realizar a entrega no prazo previsto, bem como que os produtos cotados atendem integralmente as especificações descritas no Anexo I do Edital.

Tendo examinado e aceito todos os termos do Edital de Pregão Eletrônico, apresento a presente proposta para o fornecimento e entrega dos bens indicados na Planilha de Preços, abaixo, nos moldes requeridos, já inclusos todos os custos, lucros e encargos fiscais.

Outrossim, declaro que:

- a) Os bens ofertados são novos, sem uso, de modelos mais recentes ou atuais;
- b) Os bens ofertados não apresentam vícios provenientes de projeto, material ou mão-deobra utilizados ou decorrentes de ato ou omissão da Licitante, que possam surgir pelo uso normal dos bens, nas condições existentes no Brasil;

Caso a proposta seja aceita, comprometo-me:

- a) a efetuar a completa entrega de todos os itens no prazo previsto no Edital, contado a partir da emissão da Nota de Empenho ou da comunicação emitida pela CONTRATANTE;

Até a assinatura deste contrato, esta proposta constituirá um compromisso de nossa parte, observada as condições do Edital.

São Paulo, 16 de Março de 2026

Representante Legal



Tharcia Meira e Sa Prates Rocha

RG: 7779076

CPF: 062.341.244-61



Certificado de Homologação

(Intransferível)

Nº **11919-22-14053**

Validade: **Indeterminada**

Emissão: **14/08/2024**

Requerente:

CNPJ: **21.019.237/0001-94**

GEOMAT SOCIEDADE E COMERCIO LTDA

Fabricante:

HI-TARGET SURVEYING INSTRUMENT CO., LTD.

301, NO.6, HONGCHUANG 2ND STREET, NANCUN TOWN, PANYU DISTRICT

Nº

CHINA

Este documento homologa, nos termos da regulamentação de telecomunicações vigente, o Certificado de Conformidade nº OCP 58622, emitido pelo **OCP-TELI - ORGANIZAÇÃO CERTIFICADORA DE PRODUTOS DE TELECOMUNICAÇÕES E INFORMÁTICA**. Esta homologação é expedida em nome do solicitante aqui identificado e é válida somente para o produto a seguir discriminado, cuja utilização deve observar as condições estabelecidas na regulamentação de telecomunicações.

Tipo - Categoria:

Transceptor de Radiação Restrita II

Modelo - Nome Comercial (s):

iHand55

Características técnicas básicas:

Designação de Emissões	Tecnologias	Tipo de Modulação	Faixa de Frequências Tx (MHz)	Potência Máxima de Saída (W)
866KX9D	SALTO EM FREQUÊNCIA	GFSK	2.400,0 a 2.483,5	0,0024
1M27X9D	SALTO EM FREQUÊNCIA	π/4-DQPSK	2.400,0 a 2.483,5	0,00199
1M27X9D	SALTO EM FREQUÊNCIA	8DPSK	2.400,0 a 2.483,5	0,00199
8M46X9D	SEQUÊNCIA DIRETA	DBPSK / DQPSK / CCK	2.400,0 a 2.483,5	0,06456
15M5X9D	OFDM	BPSK / QPSK / 16 QAM / 64 QAM	2.400,0 a 2.483,5	0,06456
16M6X9D	OFDM	BPSK / QPSK / 16 QAM / 64 QAM	2.400,0 a 2.483,5	0,05623
32M7X9D	OFDM	BPSK / QPSK / 16 QAM / 64 QAM	2.400,0 a 2.483,5	0,0955

O produto incorpora Sistema de Identificação por Radiofrequências com as seguintes características:

Intensidade de Campo (µV/m)	Distância da Medida (m)	Faixa de Frequências (MHz)	Tipo de Modulação
4,67	30	13,559 a 13,559	ASK

Ensaio de SAR não aplicável.

Observações

Na instalação do produto devem ser observadas as condições de uso conforme estabelecido no Regulamento sobre Equipamentos de Radiocomunicação de Radiação Restrita.

Este certificado substitui o de mesmo número emitido em 09/02/2023

Constitui obrigação do fabricante do produto no Brasil providenciar a identificação do produto homologado, nos termos da regulamentação de telecomunicações, em todas as unidades comercializadas, antes de sua efetiva distribuição ao mercado, assim como observar e manter as características técnicas que fundamentaram a certificação original.

As informações constantes deste certificado de homologação podem ser confirmadas no SCH - Sistema de Gestão de Certificação e Homologação, disponível no portal da Anatel. (www.anatel.gov.br)

Davidson Gonzaga da Silva
Gerente de Certificação e Numeração

TECHNICAL SPECIFICATIONS

GNSS Feature	Specification	
GNSS Signal^①	Channels	1408
	GPS	L1C(A) / L1C / L2P(Y) / L2C / L5
	BDS	B1I / B2I / B3I / B1C / B2a / B2b
	GLONASS	L1 / L2 / L3
	Galileo	E1 / E5a / E5b / E6
	QZSS	L1 / L2 / L5 / L6*
	NavIC	L5
	SBAS	L1 / L2 / L5
	PPP	B2b-PPP / Galileo E6-HAS
Positioning Performance^②	High-precision static GNSS Surveying	Horizontal: 2.5mm + 0.1ppm RMS Vertical: 3.5mm + 0.4ppm RMS
	Static and Fast Static	Horizontal: 2.5mm + 0.5ppm RMS Vertical: 5mm + 0.5ppm RMS
	Post Processing Kinematic (PPK / Stop & Go)	Horizontal: 8mm + 1ppm RMS Vertical: 15mm + 1ppm RMS Initialization time: Typically 10 min for base and 5 min for rover Initialization reliability: Typically>99.9%
	PPP	Horizontal: 10cm Vertical: 20cm
	Code Differential GNSS Positioning	Horizontal: ±0.25m+1ppm RMS Vertical: ±0.5m+1ppm RMS SBAS: 0.5m(H), 0.85m(V)
	Real Time Kinematic (RTK)	Horizontal: 8mm+1ppm RMS Vertical: 15mm+1ppm RMS Initialization time: Typically <10s Initialization reliability: Typically > 99.9%
	Positioning rate	1 Hz, 5 Hz and 10 Hz
	Time to first Fix	Cold start: < 45 s Hot start: < 30 s Signal re-acquisition: < 2 s
	Hi-Fix ^③	Horizontal: RTK+10mm / minute RMS Vertical: RTK+20mm / minute RMS
	Tilt Survey Performance ^④	Additional horizontal pole-tilt uncertainty typically less than 8 mm +0.7 mm / °tilt (0° ~ 60°)
Communication	Communication	Bluetooth: BT 5.2, 2.4GHz Wi-Fi: frequency 2.4GHz, Supports 802.11 b/g/n Frequency: 410-470MHz Channel: 116 (16 scalable) Transmitting power: 0.5W / 1W / 2W adjustable
	Internal UHF Radio	Supports multi-communication protocols: HI-TARGET, TRIMTALK450S, TRIMMARK III, TRANSEOT, SATEL-3AS, etc.
Physical	Internal battery ^⑤	Internal 7.2V / 6900mAh lithium-ion rechargeable battery RTK Rover (UHF/Cellular): up to 24 hours* Charging: using standard smartphone chargers or external power banks.
	External power	Weight: ≤0.8kg (includes battery) Dimensions (W×H): 132mm×67mm Data storage: 16GB ROM internal storage
Control Panel	LED Lamp Physical button	Satellite, Signal, Power 1
Environment	Water / Dustproof	IP68
	Free fall	Designed to survive a 2m natural fall onto concrete
	Humidity	100%, condensing
	Operation temperature Storage temperature	-45°C to +75°C -55°C to +85°C
I / O Interface	1 × USB port, Type C 1 × SMA antenna connector	
	Output rate Static data format Network model Real Time Kinematic (RTK) Navigation outputs ASCII	1Hz-20Hz. GNS, Rinex VRS, FKP, MAC; supports NTRIP protocol RTCM2.X, RTCM3.X, CMR NMEA-0183

*Description and Specifications are subject to change without notice.

1.QZSS L6 can be provided by firmware upgrade.

2.The measurement accuracy, precision, reliability and initialization time depend on various factors, including tilt angle, number of satellites, geometric distribution, observation time, atmospheric conditions and multi-path validation, etc. The data are derived under normal conditions.

3.Accuracies are dependent on GNSS satellite availability. Hi-Fix Positioning ends after 5 minutes without differential data.Hi-Fix is not available in all regions, check with your local sales representative for more information.

4.Irregular operations such as rapid rotation and high-intensity vibration may affect the inertial navigation accuracy.

5.The battery operating time is related to the operating environment, operating temperature and battery life.



AUTHORIZED DISTRIBUTION PARTNER

24S112

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



V200

GNSS RTK System

IP68

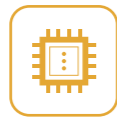


V200

Good things come in small packages

V200 GNSS RTK Receiver brings superior performance and high efficiency to support your fieldwork with reliable solutions. Its deployment of the advanced RTK engine and new-generation IMU guarantees a 25% performance improvement even in the most demanding environments. Thus you can count on Hi-Target V200 for better productivity.

Key Features



Advanced RTK Engine



Full-Constellation Tracking



Web UI



Built-in Radio



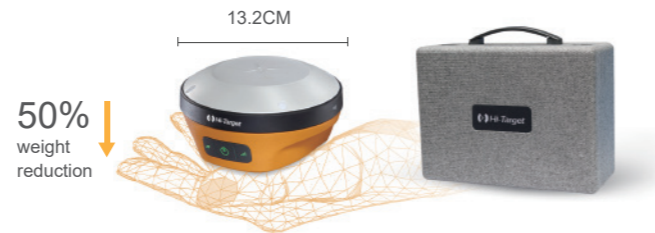
NFC



Compatibility with third-party software

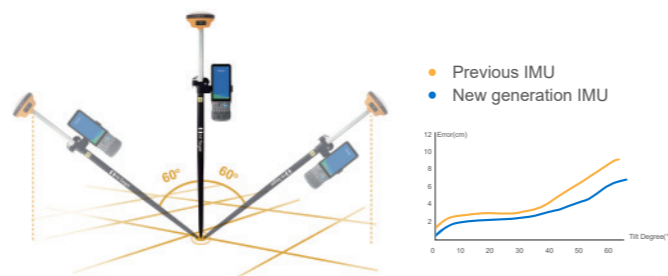
• More Portability

Equipped with an ultra-light EPP material instrument case of a high anti-strong impact, shock and impact resistance and a centering rod that can be contracted to 1.25 m, making it durable and portable in the fieldwork.



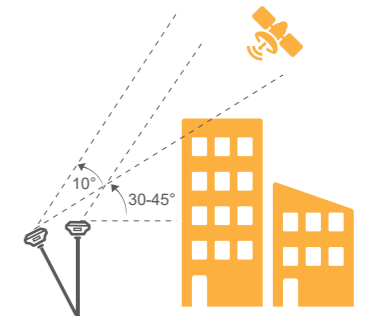
• Greater Flexibility

It can bring accurate and reliable results and boost efficient fieldwork with self-developed built-in IMU and core algorithm.



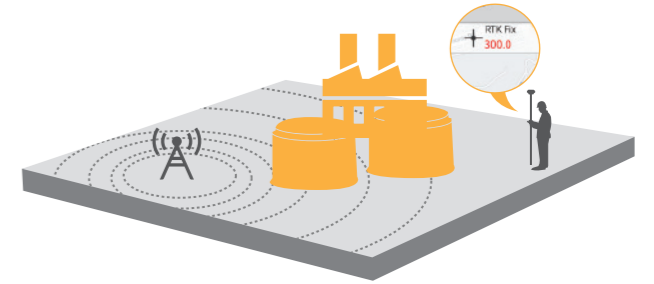
• Higher Accuracy and Precision

Equipped with the High-Performance Patch Antenna, enhances the low elevation angle tracking capabilities and keeps it maintaining a high gain for higher elevation satellites while tracking low-elevation satellites.



• More Stability

Hi-Target **Hi-Fix** enables continuous connectivity and quality results even if you lose the signal while using the RTK base station or VRS network under extreme circumstances.

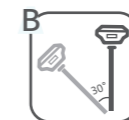


Hi-Survey

Survey Data Collection Software



AR stakeout to guide directions with the intelligent voice and compass.



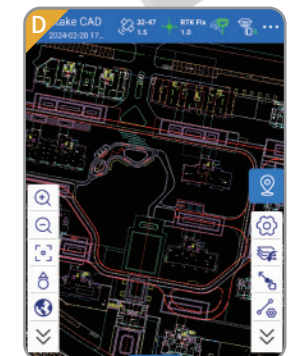
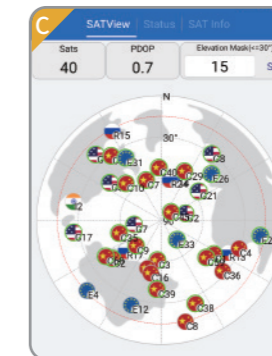
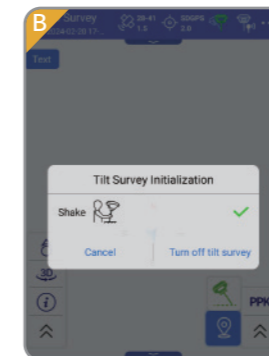
Optimized tilt survey and able to complete the initialization by shaking the receiver for 2-5s and maintain a high-precision measurement status for a long time.



Users can view the number of the tracking satellites, PDOP, Elevation Mask, the current satellite constellations and other information in the sky plot interface.

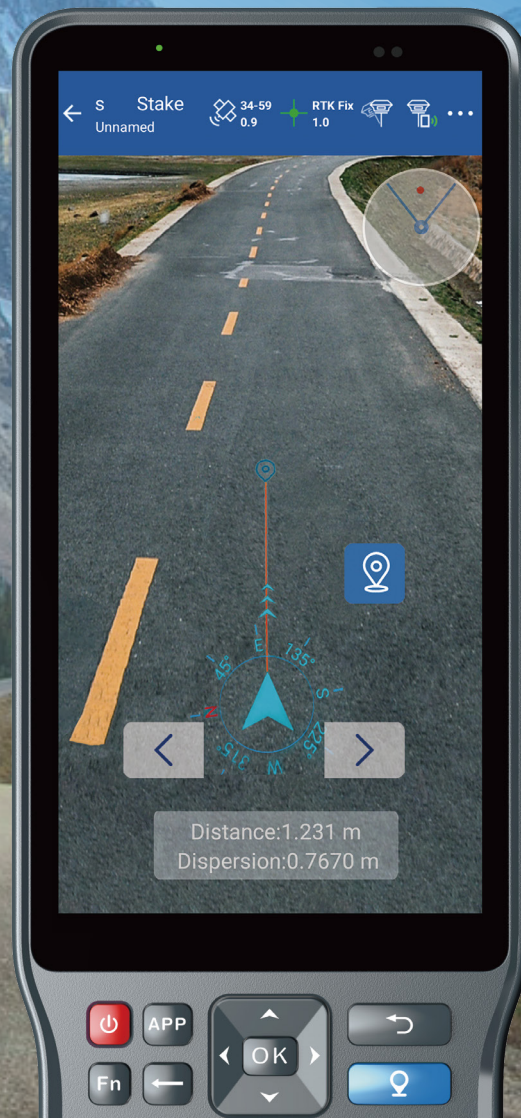


Advanced CAD data management, supporting importing files of DXF, DWG format, and achieving data stakeout by the object snap functions of INT, TAN, PER, etc..



Hi-Survey

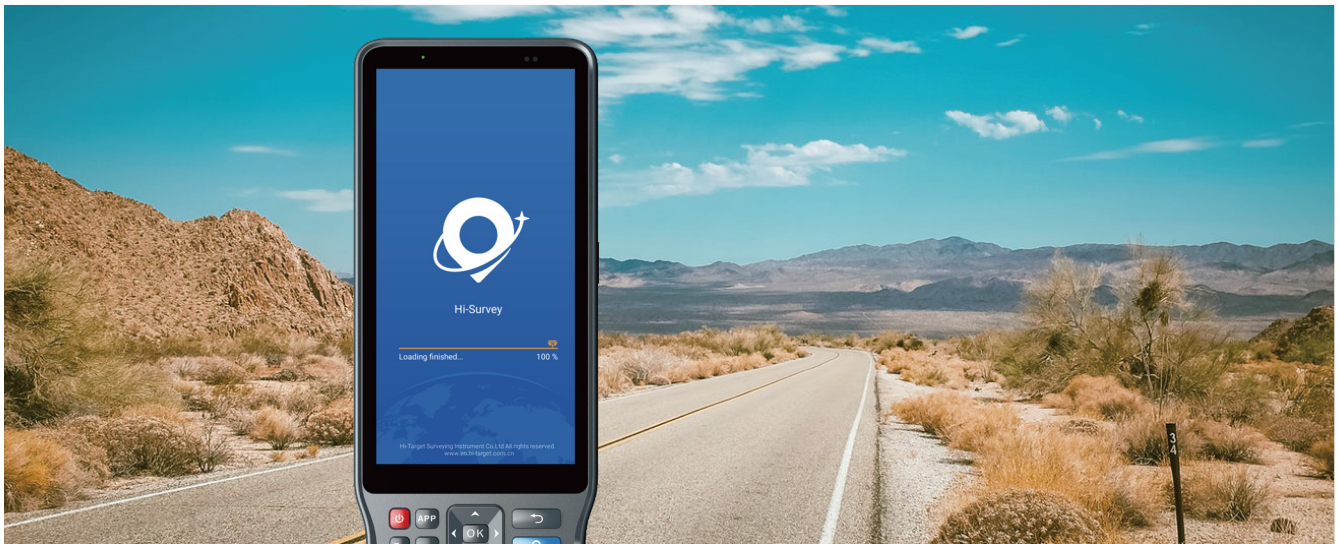
Survey Data Collection Software



Hi-Survey

Survey Data Collection Software

Hi-Survey is an Android software for all types of land surveying and road engineering projects. It is compatible with Hi-Target professional controllers, Android phones, tablets and other third-party Android devices. As a sleek and easy-to-use software, Hi-Survey supports big data operation with built-in tools and also provides customized industrial application solutions.



KEY FEATURES



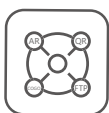
High accuracy and good reliability with various algorithms even in tough environments.

Supporting tilt survey, quasi-dynamic technology, electronic bubble, detail survey, time mode static survey, etc..



Integrated professional measurement functions for engineering application.

Providing road functions, GIS collection, DTM surface operations, Cross-projects points selection, DXF, DWG and shape format, Google map, OGC map service of WMS, WMTS, WFS, and third-party rangefinders, etc..



Strong interaction function to empower every surveyor.

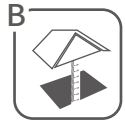
AR stakeout, QR code scanning, COGO, FTP transmission, multi-format support, etc..



FUNCTIONS



Optimized tilt survey correction algorithm and procedure to boost efficient fieldwork.



Android-based high-performance image processing technology, controller real-time acquisition of coordinates.



AR stakeout to guide directions with the intelligent voice and compass.



Users can view the number of the tracking satellites, PDOP, Elevation Mask, the current satellite constellations and other information in the sky plot interface.



Integrates GIS feature management, data collection and editing, import and export, and supports WMS, WMTS, WFS and WFTS online map services.



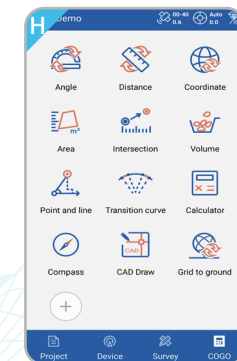
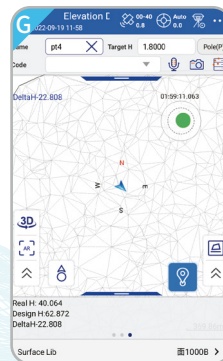
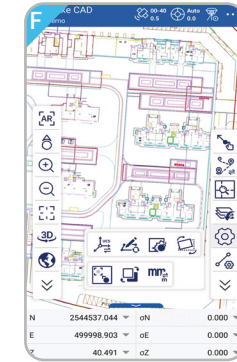
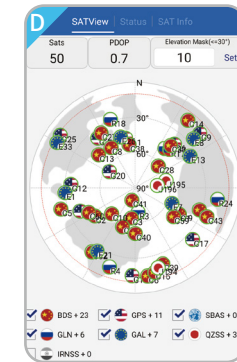
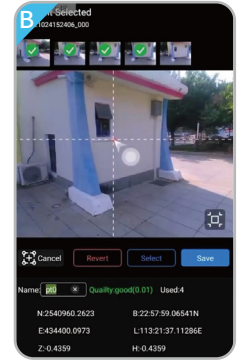
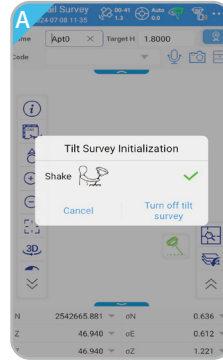
Advanced CAD data management, supporting importing files of DXF, DWG format, and achieving data stakeout by the object snap functions of INT, TAN, PER, etc..



DTM surface design, stakeout and earthwork calculation.



Excellent user experience with device check tools, compass, third-party rangefinders, transition curve calculation, FTP transmission and file coordinate conversation, etc..



TECHNICAL SPECIFICATIONS

Software Information	Import	COGO
Operating platform: Android	CAD Data(*.dwg, *.dxf)	Area&Volume calculation
License: Online activation & Offline registration code	NetCAD (*.NCN)	Angle&Distance conversion
Coordinate System	CASS TIN File (*.sjw)	Coordinate inverse calculation
Predifined Coordinate systems	Civil 3D (*.xml)	Intersection calculation
Compute Project Coordinates	LandXML (*.xml)	Azimuth calculation
Geoid files & Grid files	LandXML TIN File (*.xml)	Map Function
Grid to Ground	Road File (*.road, *.road2, *.XY, *.hjd, *.pm)	Google Map/Satellite/Terrain/Hybrid
Parameter Encrypt & QR code Shareing	Elcad (*.ICD)	ArcGIS Online
Features Processing	Coordinate Systems (*.DC, *.loc, *.html)	Customized map source
Code Table Manager	ESRI (*.shp)	WMS, WMTS, WFS
Various features of point/line/polygon	Geo Viewer (*.KML)	Offline Map Files:SHP, DXF, DWG, TIFF, KML
Import/Export Codelists	ASC (*.txt, *.xls, *.csv, *.dat)	Unit
Survey	Export	Meter, Foot, Foot(U.S.)
Auto Collection(By Time/Dist./Height)	CAD Data (*.dwg, *.dxf)	Degree, Gon, Mil
Average Survey	NetCAD (*.NCN)	Software language
Auto join Line&Polygon	ESRI (*.shp)	Bulgarian, Simplified Chinese, Traditional Chinese,
Image survey	Geo Viewer (*.KML)	English, French, German, Greek, Icelandic,
AR Measurement	GeoJSON (*.geojson)	Iranian Persian, Italian, Japanese, Korean,
Code method	Trimble Data Exchange (*.asc)	Lithuanian, Magyar, Mongolian, Polish, Portuguese,
Stakeout	ASC File (*.asc)	Romanian, Russian, Serbian, Spanish, Thai,
Point/ Line/ Polygon Stakeout	ASC II (*.txt, *.xls, *.csv, *.dat)	Turkish, Vietnamese.
Road&Slope Stakeout	Cross-section Data (*.DMX, *.hdm, *.DMG, *.HDX, *.BGHN, *.dmx)	
AR Stakeout	Report (*.html)	
CAD Stakeout	Advanced Function	
Photovoltaic Stakeout	CAD Draw	
Reference Drection: Sun Azimuth,	GIS Collection	
North or Forward direction	Road Design	

Descriptions and specifications are subject to change without notice.



AUTHORIZED DISTRIBUTION PARTNER

24A214

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

iHand55

Professional Field Controller



KEY FEATURES



5.5" sunlight readable display capacitive touch screen for fingers or stylus.



QWERTY full keyboard designed, convenient for different measurement application scenarios.



Equip laser rangefinder(optional) can greatly improve the efficiency of your measurement work.



Android 11 operating system equipped to maintain the productivity of numerous survey projects and data.

TECHNICAL SPECIFICATIONS

Hardware Configuration	OS	Android 11
	Processor	CPU: 8 core; 2.0 GHZ
	Storage	3GB RAM+32GB ROM(Normal version), 4GB RAM+64GB ROM(Laser version); T-Flash memory card, up to 128GB
	Display	720*1440, 5.5", 500 nit, bright Outdoor Color capacitive multi-touch screen (with touch pen, can be operated with gloves)
	Input Configuration	Qwerty full keyboard, number / letter separate, professional custom smart input method
GNSS Features	GNSS	GNSS antenna, GPS, GLONASS, BDS, AGPS
Communication Interface	Network modem	FDD-LTE: B1/B3/B5/B7/B8/B20/B28/B2/B4/B12/B17
		TDD-LTE: B38/B39/B40/B41/B34
		TDSCDMA: B34/B39
		WCDMA: B1/B2/B5/B8/B4
		GSM: B2/B3/B5/B8
	CDMA1x/CDMA2000: BC0	
Cellular mobile	4G, Dual Nano-SIM	
WiFi	IEEE 802.11 a/b/g/n/ac, Wapi, AP (2.4G / 5G)	
Bluetooth	BT5.1, BLE, NFC	
USB	USB Type-C interface, OTG, supports fast charging (5V,3A)	
Power Supply	Battery	9200 mAh internal
	Duration	≥15 hours
	Charging time	4 h (typical)
Application	Camera	Built-in 13 million pixel camera, with laser to replace front camera
	Flash	Highlight Flash LED flash (support flashlight function)
	Sensor	Gravity sensor, compass, light sensor, gyroscope
Physical Features	Weight	406g (within battery)
	Size	221 mm*78 mm*16.5 mm
	Operating temperature	-30 C ~ +60 C
	Storage temperature	-40 C ~ +80 C
	Free fall	1.8 m
	Laser ¹	0.6-20m Accuracy: 10mm 20-40m Accuracy: 30mm
	Shock and vibration	MIL-STD-810H

Descriptions and Specifications are subject to change without notice

1.Suitable for indoor scenes, not suitable for high-precision ranging in strong light environments



AUTHORIZED DISTRIBUTION PARTNER

IP68

23J206

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

TECHNICAL SPECIFICATIONS

GNSS Feature	Specification	
GNSS Signal ^①	Channels	1408
	GPS	L1C(A) / L1C / L2P(Y) / L2C / L5
	BDS	B1I / B2I / B3I / B1C / B2a / B2b
	GLONASS	L1 / L2 / L3
	Galileo	E1 / E5a / E5b / E6
	QZSS	L1 / L2 / L5 / L6*
	NavIC	L5
	SBAS	L1 / L2 / L5
	PPP	B2b-PPP / Galileo E6-HAS
Positioning Performance ^②	High-precision static GNSS Surveying	Horizontal: 2.5mm + 0.1ppm RMS Vertical: 3.5mm + 0.4ppm RMS
	Static and Fast Static	Horizontal: 2.5mm + 0.5ppm RMS Vertical: 5mm + 0.5ppm RMS
	Post Processing Kinematic (PPK / Stop & Go)	Horizontal: 8mm + 1ppm RMS Vertical: 15mm + 1ppm RMS Initialization time: Typically 10 min for base and 5 min for rover Initialization reliability: Typically>99.9%
	PPP	Horizontal: 10cm Vertical: 20cm
	Code Differential GNSS Positioning	Horizontal: ±0.25m+1ppm RMS Vertical: ±0.5m+1ppm RMS SBAS: 0.5m(H), 0.85m(V)
	Real Time Kinematic (RTK)	Horizontal: 8mm+1ppm RMS Vertical: 15mm+1ppm RMS Initialization time: Typically <10s Initialization reliability: Typically > 99.9%
	Positioning rate	1 Hz, 5 Hz and 10 Hz
	Time to first Fix	Cold start: < 45 s Hot start: < 30 s Signal re-acquisition: < 2 s
	Hi-Fix ^③	Horizontal: RTK+10mm / minute RMS Vertical: RTK+20mm / minute RMS
	Tilt Survey Performance ^④	Additional horizontal pole-tilt uncertainty typically less than 8 mm +0.7 mm / °tilt (0° ~ 60°)
Communication	Communication	Bluetooth: BT 5.2, 2.4GHz Wi-Fi: frequency 2.4GHz, Supports 802.11 b/g/n Frequency: 410-470MHz Channel: 116 (16 scalable) Transmitting power: 0.5W / 1W / 2W adjustable
	Internal UHF Radio	Supports multi-communication protocols: HI-TARGET, TRIMTALK450S, TRIMMARK III, TRANSEOT, SATEL-3AS, etc.
Physical	Internal battery ^⑤	Internal 7.2V / 6900mAh lithium-ion rechargeable battery RTK Rover (UHF/Cellular): up to 24 hours*
	External power	Charging: using standard smartphone chargers or external power banks. Weight: ≤0.8kg (includes battery) Dimensions (W×H): 132mm×67mm Data storage: 16GB ROM internal storage
Control Panel	LED Lamp	Satellite, Signal, Power
Environment	Physical button	1
	Water / Dustproof	IP68
	Free fall	Designed to survive a 2m natural fall onto concrete
	Humidity	100%, condensing
	Operation temperature	-45°C to +75°C
I / O Interface	Storage temperature	-55°C to +85°C
	1 × USB port, Type C	
Data Formats	1 × SMA antenna connector	
	Output rate	1Hz-20Hz.
	Static data format	GNS, Rinex
	Network model	VRS, FKP, MAC; supports NTRIP protocol
	Real Time Kinematic (RTK)	RTCM2.X, RTCM3.X, CMR
Navigation outputs ASCII	NMEA-0183	

*Description and Specifications are subject to change without notice.

1.QZSS L6 can be provided by firmware upgrade.

2.The measurement accuracy, precision, reliability and initialization time depend on various factors, including tilt angle, number of satellites, geometric distribution, observation time, atmospheric conditions and multi-path validation, etc. The data are derived under normal conditions.

3.Accuracies are dependent on GNSS satellite availability. Hi-Fix Positioning ends after 5 minutes without differential data.Hi-Fix is not available in all regions, check with your local sales representative for more information.

4.Irregular operations such as rapid rotation and high-intensity vibration may affect the inertial navigation accuracy.

5.The battery operating time is related to the operating environment, operating temperature and battery life.



AUTHORIZED DISTRIBUTION PARTNER

24S112

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



IP68

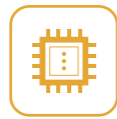


V200

Good things come in small packages

V200 GNSS RTK Receiver brings superior performance and high efficiency to support your fieldwork with reliable solutions. Its deployment of the advanced RTK engine and new-generation IMU guarantees a 25% performance improvement even in the most demanding environments. Thus you can count on Hi-Target V200 for better productivity.

Key Features



Advanced RTK Engine



Full-Constellation Tracking



Web UI



Built-in Radio



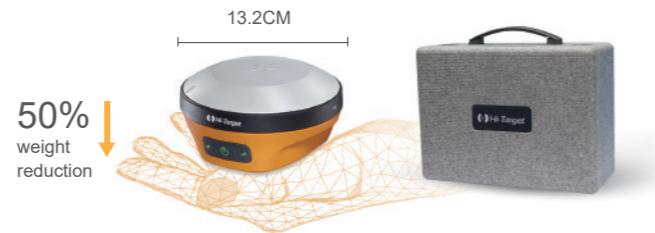
NFC



Compatibility with third-party software

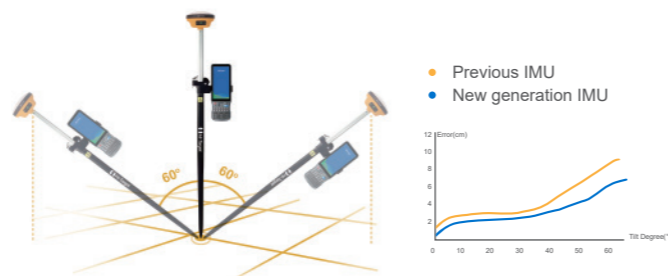
• More Portability

Equipped with an ultra-light EPP material instrument case of a high anti-strong impact, shock and impact resistance and a centering rod that can be contracted to 1.25 m, making it durable and portable in the fieldwork.



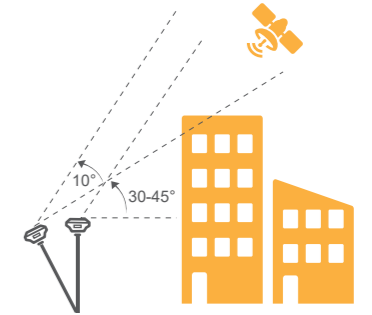
• Greater Flexibility

It can bring accurate and reliable results and boost efficient fieldwork with self-developed built-in IMU and core algorithm.



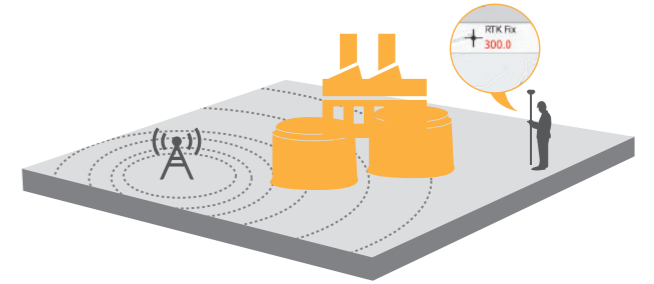
• Higher Accuracy and Precision

Equipped with the High-Performance Patch Antenna, enhances the low elevation angle tracking capabilities and keeps it maintaining a high gain for higher elevation satellites while tracking low-elevation satellites.



• More Stability

Hi-Target **Hi-Fix** enables continuous connectivity and quality results even if you lose the signal while using the RTK base station or VRS network under extreme circumstances.

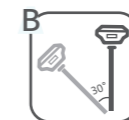


Hi-Survey

Survey Data Collection Software



AR stakeout to guide directions with the intelligent voice and compass.



Optimized tilt survey and able to complete the initialization by shaking the receiver for 2-5s and maintain a high-precision measurement status for a long time.



Users can view the number of the tracking satellites, PDOP, Elevation Mask, the current satellite constellations and other information in the sky plot interface.



Advanced CAD data management, supporting importing files of DXF, DWG format, and achieving data stakeout by the object snap functions of INT, TAN, PER, etc..

