

**KOMTEH d.o.o.**

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SWIFT: ZABHR2X

**Ponuda br. 429**

Datum: **06.11.2023.**  
Mjesto izdavanja: **Zagreb**  
OIB kupca: **72919419273**

**PROMJER D.O.O. u blokadi !!!**

ULICA GRADA MAINZA 26/15  
10000 Zagreb

RB	Šifra	Opis proizvoda/usluge	PDV JM	Količina	Cijena	Rabat	Iznos
1.	001879	HI-TARGET V200 GPS (komplet)	25% kom	1,00	5.043,47	10%	4.539,12
2.	001225	HI-TARGET ZTS-360R totalna stanica Promo cijena	25% kom	1,00	2.500,00		2.500,00
3.	001238	GeoFennel aluminijski stativ (FS23 W/S)	25% kom	1,00	99,54	10%	89,58
4.	000024	GeoFennel prizma jednostruka (A4)	25% KOM	1,00	165,90	10%	149,31
5.	000020	GeoFennel štap za prizmu, 2,5m (L25)	25% KOM	1,00	128,74	10%	115,86

Slovima: devettisućadvjestočetredesetdva EUR tridesetpet cent

Ukupno: 69.636,49 KN

Fiksni tečaj konverzije: 1 EUR = 7,53450 kuna

Iznos: 7.937,65

Rabat: 543,77

Osnovica: 7.393,88

PDV: 1.848,47

Ukupan iznos (EUR): 9.242,35

Porezna tarifa	Osnovica	PDV
PDV 25%	7.393,88	1.848,47
<b>Ukupno EUR:</b>	<b>7.393,88</b>	<b>1.848,47</b>

Kod za plaćanje

Prilikom plaćanja molimo Vas da navedete **poziv na broj: HR00 429**Komerčijalist: **KARAS MARKO**

Ovo nije fiskalizirani račun.

Datum i vrijeme izdavanja: 06.11.23. 13:44

Oznaka operatera: km

Fiskalna oznaka načina plaćanja: Transakcijski račun

## SPECIFICATIONS

<b>Angle Measurement</b>	
Measurement Method.....	Absolute Encoding
Minimum Readout.....	1"/5"/10"
Accuracy <sup>1</sup> .....	(0.3mgon/1.5mgon/3mgon) adjustable
Accuracy <sup>2</sup> .....	2"
<b>Distance Measurement</b>	
Single Prism.....	3000m (9,842ft.) under good condition <sup>3</sup>
Three Prisms.....	6000m (19,685ft.) under good condition <sup>3</sup>
Reflective Sheet.....	800m (2,624 ft.)
Accuracy.....	2mm+2ppm
Measuring Time (Fine/ Tracking).....	0.8s/0.3s
<b>Distance Measurement</b>	
Reflectorless <sup>4</sup> Range.....	600m (1,968.5 ft.)
Single Prism.....	>7500m (24,606ft.)
Accuracy.....	3mm+2ppm
Measuring Time.....	1.5s
<b>Telescope</b>	
Magnification.....	30X
Field of View.....	1°30' (2.7m at 100m)
Minimum Focusing Distance.....	1.2m
Reticle.....	Illuminated
<b>Compensator</b>	
System.....	Single-axis liquid tilt sensor/Dual-axis(optional)
Working Range.....	±3'
Setting Accuracy.....	1"
<b>Communication</b>	
Bluetooth.....	
Interface.....	Standard RS232,USB-A, Mini-USB
Internal Data Memory.....	Approx. 20,000 Points, default 8G USB pen drive
Data Format.....	ASCII
<b>Operation</b>	
Operation system.....	Real-time Operating System
Display.....	High resolution backlight black and white display with contrast adjustment/ Graphics.....192 x 96 pixels
Keyboard.....	2 sides Alphanumeric backlit crystal keyboard
Trigger key.....	On right instrument support
<b>Laser Plummet</b>	
Type.....	Laser point, 4 brightness levels
Centering Accuracy.....	adjustment / Optical plummet (optional) 1 mm at 1.5m instrument height
<b>Power Supply</b>	
Battery Type.....	Rechargeable Li-ion battery
Voltage/Capacity.....	BT30: 7.4V (DC) / 3400mAh
Operating Time With BT30.....	Optimal 16 hours <sup>5</sup> (Continuous angle measurement every 30 seconds)
Measuring Times.....	Approx. 12000 times
<b>Physical</b>	
Weight (without battery).....	Approx. 3.7kg (8.16lb.)
Size.....	300mm x 150mm x 150mm(HxWxD)
<b>Environmental</b>	
Meteorological parameter modification.....	Manually(T-P sensor is optional)
Operating Temperature.....	-20°C ~ +50°C (-4°F to +122°F)
Storage Temperature.....	-25°C ~ +70°C (-13°F to +158°F)
Dust&Water Proof (IEC60529 Standard)/Humidity.....	IP66, 95%, non-condensing

<sup>1</sup>Standard deviation based on ISO 17123-3.

<sup>2</sup> Calculated by Kodak Gray Card white side (90% reflective), exact distance depends on measuring object, observation and environment conditions.

<sup>3</sup> Good condition: no haze, visibility about 400m, moderate sunlight.

<sup>4</sup> New battery at 25°C, 24 hour continuously angle measurement mode. Descriptions and Specifications are subject to change without notice.



AUTHORIZED DISTRIBUTION PARTNER

**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

FC CE IP66



# ZTS-360R

## Total Station



Hi-Target Surveying Instrument Co., Ltd. www.hi-target.com.cn

## TECHNICAL SPECIFICATIONS

GNSS Feature	Specification
GNSS Signal <sup>1)</sup>	<p>1408 L1/L2/L5/L2C B1/B2/B3/B1C/B2C/B2E L1/L2/L3 E1/E5A/E5/ARBOC/E5B/E6 L1C(A)/L5(QZSS WAAS, MSAS GAGAN) L1/L2/L5/L6<sup>2)</sup></p>
	<p>L5 B2b-PPP Horizontal 2.5mm ± 0.1ppm RMS   Vertical 3.5mm ± 0.4ppm RMS Horizontal 2.5mm ± 0.5ppm RMS   Vertical 5mm ± 0.5ppm RMS Horizontal 8mm ± 1ppm RMS   Vertical 15mm ± 1ppm RMS Initialization time Typically 10 min for base and 5 min for rover Initialization reliability Typically &gt; 99.9% Horizontal ± 0.25m ± 1ppm RMS   Vertical ± 0.5m ± 1ppm RMS SBAS 0.5m(H), 0.65m(V)   PPP 20cm(H), 10cm(V) Horizontal 8mm ± 1ppm RMS   Vertical 15mm ± 1ppm RMS Initialization time Typically &lt; 10s   Initialization reliability Typically &gt; 99.9% Cold start &lt; 45s   Hot start &lt; 30s   Signal re-acquisition &lt; 2s Horizontal RTK 10mm / minute RMS   Vertical RTK 20mm / minute RMS Additional horizontal pole-tilt uncertainty typically less than 8 mm ± 0.7 mm / tilt (2.5cm accuracy in the inclination of 60°)</p>
Positioning Performance	<p>Code Differential GNSS Positioning Real Time Kinematic (RTK) Time to first fix Hot &lt; 1s<sup>2)</sup> Till Survey Performance</p>
Communication	<p>Bluetooth 4.2 / 2.1 + EDR, 2.4GHz WiFi frequency 2.4GHz, Supports 802.11a/b/g/n Frequency 410-470MHz, Channel 116 (16 scalable) Transmitting power 0.5W / 1W / 2W adjustable Supports multi-communication protocols Hi-Target, TRIMARK 450S, TRIMARK II, TRANSEOT, SATEL-JAS, etc. Internal 7.4V / 6800mAh lithium-ion rechargeable battery RTK Rover (Network) for 12 hours,   Static up to 15 hours Power consumption 4.2W   Dimensions (W×H) 132mm×67mm Charging using standard smartphone chargers or external power banks Weight 50.8kg (includes battery)   Data storage 3GB ROM internal storage</p>
Physical	<p>Satellite, Signal, Power 1 IP67 Designed to survive a 2m natural fall onto concrete 100% condensing -30°C ~ +70°C -40°C ~ +80°C</p>
Control Panel	<p>LED Lamp Physical button Water / Dustproof Shock and vibration Humidity Operation temperature Storage temperature 1 × USB port, Type C 1 × SMA antenna connector</p>
Environment	<p>Output rate Static data format Network model CMR &amp; RTCM Navigation output ASCII</p>
I/O Interface	<p>1Hz-20Hz GNS, RINEX VRS, FKP, MAC, supports NTRIP protocol CMR, RTCM 2.x, RTCM 3.0, RTCM 3.2 NMEA-0183</p>
Data Formats	

\*Description and Specifications are subject to change without notice.  
1. Compliant, but subject to availability of IRNSS and Galileo commercial services definition. Galileo E6 and IRNSS L6 will be provided through future product upgrade.  
2. Accuracies are dependent on GNSS satellite availability. Hi-Target is not available in all regions, check with your local sales representative for more information



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23/226



# V200

## GNSS RTK System



IP67

# V200

Good things come in small packages

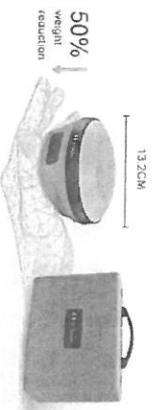
V200 GNSS RTK Receiver brings superior performance and high efficiency to support your fieldwork with reliable solutions. Its deployment of the advanced RTK engine and new-generation IMU guarantees a 25% performance improvement even in the most demanding environments. Thus you can count on Hi-Target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

## Key Features

		
Advanced RTK Engine	Full-Constellation Tracking	Web UI
		
Built-in Radio	NFC	Compatibility with third-party software

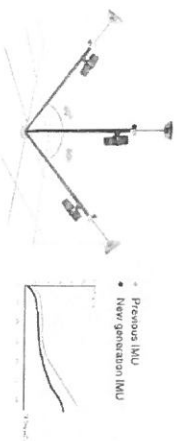
## More Portability

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.



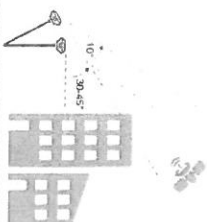
## Greater Flexibility

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



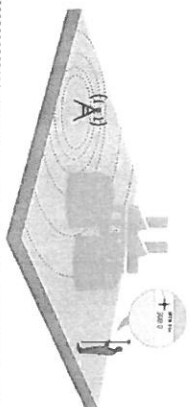
## Higher Accuracy and Precision

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 Road Survey Data Collection Software



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



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.



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.

