

K20 Series

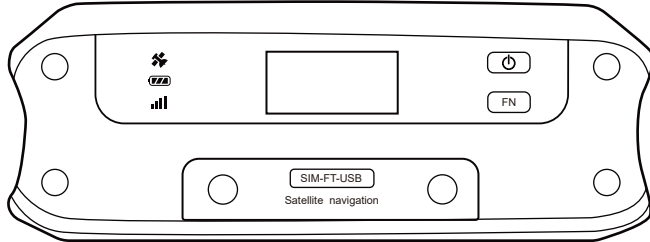
GNSS Receiver

- Convenient front panel display and configuration
- Multiple I/O ports for different signals and purposes
- Radio, cellular internet and cable and other kinds of communication
- Advanced satellite tracking with multi-frequency, multi-GNSS and L-Band capability
- Hi-Target Hi-Fix™ technology provides seamless RTK performance during connection outage

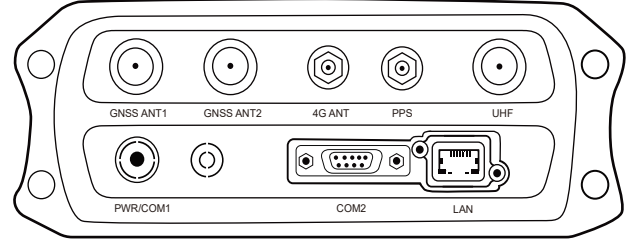


K20 Series

The K20 series is Hi-Target's next generation multi-GNSS, multi-frequency position, position and heading receiver designed specifically for marine and construction applications with capability of L-Band correction and multiple I/O interface for versatile data communication.



Front



Rear

SPECIFICATIONS

System	CPU & OS	Cortex-A8, AM3358, Linux
	Storage	8 GB internal storage, support external SD card
GNSS Performance	Signal Tracking	<p>Position Version: 800 channels, BDS:B1/B2/B3; GPS: L1/L2/L5; QZSS L1/L2/L5; GLONASS:L1/L2; GALILEO:E1/E5a/E5b SBAS: L1(Reserved)</p> <p>Position & Heading Version: 800 channels, BDS:B1/B2; GPS: L1/L2; QZSS L1/L2/L5 GLONASS:L1/L2; GALILEO:E1/E5b SBAS: L1(Reserved)</p> <p>Professional Version: GPS: L1 C/A, L2E, L2C, L5 BeiDou: B1, B2, B3 GLONASS: L1 C/A, L2 C/A, L3 CDMA Galileo: E1, E5A, E5B, E5AltBOC, E6 IRNSS: L5 QZSS: L1 C/A, L1 SAIF, L2C, L5, LEX SBAS: L1 C/A, L5 L-Band: Hi-RTP™, OmniSTAR®, Trimble RTX®</p>
	RTK Accuracy	H:± 8 mm + 1 ppm V:± 15 mm + 1 ppm
	Static Accuracy	H:± 2.5 mm + 0.5 ppm V:± 5 mm + 0.5 ppm
	Autonomous	BDS+GPS+GLONASS H:±3m (RMS) V: ± 5 m (RMS)
	Heading Accuracy	≤0.15° (Position & Heading edition, 1 meter baseline)
	Positioning Rate	20 Hz Max
	Message Type	CMR, RTCM2.x, RTCM3.0, RTCM3.2
Cellular	Operaion Frequencies	LTE:900/1800/1900/2100/2300/2500/2600 MHz WCDMA:850/900/1900/2100 MHz; GSM:900/1800 MHz
Radio UHF	Protocols	HI-TARGET, TRIMTALK450S, TRIMMARK III, TRANSEOT, SOUTH
	Frequency	410-470 MHz, -116 dBm
	Channels	116, editable from 100 to 115
	Power	2 W, 1 W, 0.5 W
Interface	Bluetooth	2.4 GHz, 4.0/2.1+EDR
	WIFI	2.4 GHz, 802.11 b/g/n
	Display	1.3 inch LED display, 128*64
	Buttons	Power and FN(Function)
	Indicators	LED for satellites, data and power
Web UI	LAN IP : 192.168.20.1	
Physical I/O		2 GNSS antenna ports, 1 4G antenna port, 1 PPS output port, 1 RJ45 port, 1 DB9 port, 1 5-pin port, 1 SIM card slot, 1 mini USB port, 1 SD card slot, 1 UHF radio port
Electronics		2500 mAh/7.4 V internal battery, 3 hours battery life in rover mode 2.5 hours charging time 6~28 V DC Input 4.5 W power consumption in rover mode
Others		IP67 1.2 meter free drop Anti-vibration GB/T 2423.1 Anti-shock BD/T 2423.5 Salt Fog Test GJB150 11A
		Size: 203 mm*129 mm*60 mm
		Weight: 1.25 Kg
Environment		Operation Temperature: -40 C ~ +65 C (w/ external power supply) Storage Temperature: -40 C ~ +65 C (w/ external power supply)

* Specifications subject to change without notice.

* Accuracies are dependen on GNSS satellite availability.HI-Fix positioning ends after 5 minutes of radio downtime.Hi-fix is not available in all regions, check with your local sales representative for information.



AUTHORIZED DISTRIBUTION PARTNER

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