Compact in size. **A GIANT IN PERFORMANCE.**

HORIZON®
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KRONOS C3

**The NEW GENERATION
KRONOS C3 GNSS RTK RECEIVER**

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ASME LIANHE ZAOBAO AWARD
2007 Singapore Prestige Brand
Winner, SPBA - Regional Brands

ANAB

ISO 9001:2008
CERTIFICATE NUMBER FS78416

Introducing the HORIZON KRONOS C3, a new generation compact GNSS RTK receiver designed in Singapore. Lighter, smaller, faster and more intelligent than its predecessor, the KRONOS C3 weighs in at a mere 890g. It is equipped with contemporary features designed to let you carry out your work with higher efficiency and convenience. The KRONOS C3 features the BD930 main board at its core, which allows for high speed, high precision computation and processing of data. Essentially, the KRONOS C3 is next-generation ready, packed with many new useful features in a compact shell, and prepared to play big in any environment.

KEY FEATURES AT A GLANCE:

- Compact, streamlined case design, fits in the palm with ease.

- One of the lightest receivers in the market today, weighing at only 890g.

- Utilitises the BD930 main board for high precision and accuracy, as well as new generation processing speed and capability.

- Versatile user defined frequency, selectable within 410-470MHz

- Wi-Fi Module with AP function. Up to 100 meter working range.

- 16 GB internal memory for data logging.

- Powerful Bluetooth integration, expandable to multiple modules.

- PC and mobile version web interfaces enable access to Kronos C3 via Wi-Fi.

- Web interface to record static raw data via Wi-Fi hotspot.

- IK08, resistant to 3 meter drops on concrete ground surfaces.

- Convenient update or patching via USB and Wi-Fi.

- Cloud Service: Intelligent upgrades, diagnoses and data sharing.

- E-Bubble Function.

SPECIFICATIONS

Model	KRONOS C3 Lite	HORIZON KRONOS C3
Positioning Performance		
Channels	220 (All In View)	220 (All In View)
Signal Tracking	GPS: L1C/A, L1C, L2C, L2E, L5	GPS: L1C/A, L1C, L2C, L2E, L5
	GLONASS: L1C/A,L1P, L2C/A, L2P, L3	GLONASS: L1C/A,L1P, L2C/A, L2P, L3
	Galileo: E1, E5A, E5B	Galileo: E1, E5A, E5B
	BeiDou: B1, B2	BeiDou: B1, B2
	SBAS: L1C/A, L5	SBAS: L1C/A, L5
	QZSS, WAAS, EGNOS, GAGAN, MSAS	QZSS, WAAS, EGNOS, GAGAN, MSAS
Positioning Output Rate	1-20 Hz	1-20 Hz
Initialization Time	5s	5s
Initialization Reliability	>99.99%	>99.99%
Positioning Precision		
Static	H: 2.5mm+0.5 ppm RMS	H: 2.5mm+0.5 ppm RMS
	V: 3.5mm+0.5 ppm RMS	V: 3.5mm+0.5 ppm RMS
RTK Single Baseline	NA	H: 8mm+1 ppm RMS
	NA	V: 15mm+1 ppm RMS
Network RTK	NA	H: 8mm+0.5 ppm RMS
	NA	V: 15mm+0.5 ppm RMS
Physical Specifications		
Dimensions	127/143 x 84mm	127/143 x 84mm
Weight	890g without battery	890g without battery
Material	AZ91D Magnesium Aluminium Alloy Shell	AZ91D Magnesium Aluminium Alloy Shell
Environmental		
Operating Temperature Range	-40°C to +75°C	-40°C to +75°C
	-40°F to +167°F	-40°F to +167°F
Storage Temperature Range	-55°C to +85°C	-55°C to +85°C
	-67°F to +185°F	-67°F to +185°F
Humidity Tolerance	100% condensation	100% condensation
Water and Dust Protection	IP67	IP67
Electrical Specifications		
Power Consumption	<3.2W	<3.2W
Battery	Rechargeable Lithium-ion Battery	Rechargeable Lithium-ion Battery
Battery Life	4-5Hrs (Internal UHF Base mode)	4-5Hrs (Internal UHF Base mode)
Communications and Data Storage		
I/O port	7-Pin Lemo external Power Port+RS232	7-Pin Lemo external Power Port+RS232
	7-Pin Lemo RS232+USB	7-Pin Lemo RS232+USB
	NA	1 Radio data Link antenna port
WI-FI Interface	NA	Yes
Wireless UHF	NA	Internal Radio Tx/Rx maximum 2W
Frequency Operation Range	NA	410-470MHz
Communication Protocols	NA	Trimtalk 450S, PCC EOT
Bluetooth Module	NA	Multimode Bluetooth: Supports Android, Windows Mobile and Win7/Win8
Data Storage	NA	Standard: 16(current)/32(future)G, Up to 64G expansion
Data Formats Supported	NA	Differential Data Fomat: CMR, CMR+, CMRx, RTCM2.3, RTCM3.0, RTCM3.2
	NA	GPS output Data Format:NMEA0183,PJK,Binary Code
	NA	Network model Support: Ntrip
	NA	GPRS Interface | 3G using SIM Card
User Interface		
Panel Keys	1 power button, 1 static button	1 Power Button, 1 Static/RTK mode Switch Button
LED Lights	5 LED indicators	5 LED indicators
Others		
Main Board	Trimble BD930	Trimble BD930
Operating System	Linux OS	Linux OS
Upgrade Interfaces	NA	Web, OTG, Wi-Fi