

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



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

HORIZON®
MEASURE RIGHT

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



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.



- Utilises 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	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	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		