

IMU RTK GNSS CHC I90 Pro RTK GNSS

I90 Pro GNSS CHCNAV IMU-RTK L-RTK

MEMS GNSS I90 Pro GNSS IMU-RTK GNSS RTK IMU GNSS RTK

I90 20 GNSS RTK



CHC I90 Pro

CHC I90 Pro

GPS **Gronus** Hokuto

336 GNSS I90 Pro RTK

PPP

RTX™

I90 Pro GNSS L-RTK GSM GNSS

NFC

I90 Pro GNSS Bluetooth WiFi NFC 4G UHF

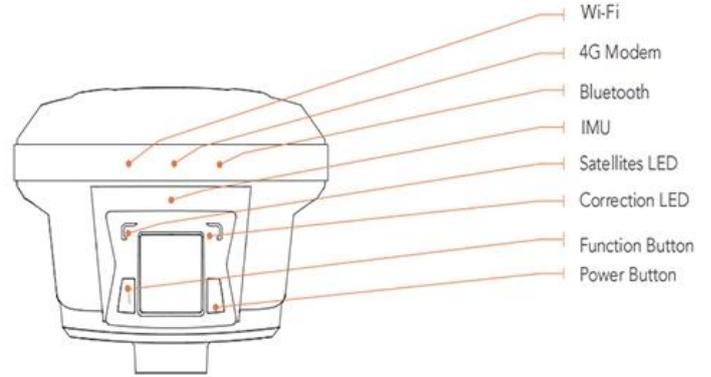
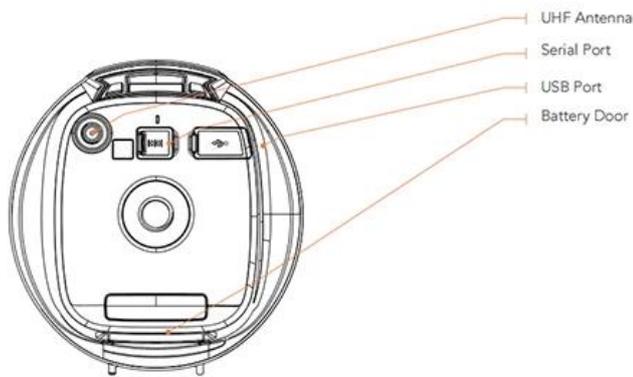
4G RTK UHF 5km

30 IMU 3 cm 30

30

I90 GNSS IMU 3 cm 30

I90 GNSS IMU 3 cm 30



CHC I90 Pro

GNSS

GPS	336
Galileo	L1C/L1CIA/L2E/L2C/L5
sbas	L1C/A/L2 CIA/L3 CDMA
LNSS	E1/E5A/E5B/E5ALTB/OC/E6
L-BAND	B1/B2/B3
	L1C/A/L5
	L1 CIA/L1 SAIF/L2C/L5/LEX
	L5
	RTX

GNSS

RTK	<ul style="list-style-type: none"> 8 mm 1 ppm RMS 15 mm 1 ppm RMS <10 Initialization reliability: > 99.9%
PPK	<ul style="list-style-type: none"> 2.5 mm 1 ppm rms 5 mm 1 ppm rms
	<ul style="list-style-type: none"> 2.5 mm 0.5 ppm RMS 5 mm 0.5 ppm RMS
	0.25m RMS
	1 m rm
	1.5 m rms

RTK TILT	50Hz <45 <10 <1
Dimensions	
Dimensions (mm)	159mm x 150mm x 110mm 6.3" x 5.9" x 4.3"
Weight	1.26kg / 2.77lbs
Operating Temperature	-40°C to 65°C / -40°F to 149°F
Storage Temperature	-40°C to 85°C / -40°F to 185°F
IP Rating	IP67
Waterproof Depth	1m
Waterproof Duration	2 hours
Lithium Battery	Li-ion battery with LMU (Low Voltage Protection)
LEDs	4 LEDs
Display	1.46" OLED
Certifications	
FCC Part 15, CE, FCC Part 22, 24, 90, CE, NGS	
Connectivity	
Cellular	4G LTE FDD, B1, B2, B3, B4, B5, B7, B8, B20 DC-HSPA/HSPA/HSPA/UMTS, B1, B2, B5, B8 EDGE/GPRS/GSM 850/900/1800/1900 MHz
Wi-Fi	802.11 b/g/n
Bluetooth	v4.1
Ports	1x 7-pin LEMO RS-232, 1x USB Type-C, 1x UHF TNC
UHF	RX/TX 410 MHz - 470 MHz Power 0.5 W - 2 W Modulation CHC, TT450 Data Rate 9600 bps - 19200 bps Range 5 km
Protocols	RTCM 2.X, RTCM 3.X, CMR, SCMR, I/O, HCN, HRC, Rinex 2.11, 3.02, NMEA 0183, ntrip
Storage	32GB
Power	
Power Consumption	5 W
Battery Capacity	2x 3400mAh @ 7.4V