

polar

X5

High Precision Handheld Receiver



Laser centering



Beidou



High accurate positioning



Industrial 3 proofings



Bluetooth



Wireless



Touch screen



HD Camera



Network module

- * HD large 5inch touch screen which fulfill the Android users needs
- * New design appearance and very comfortable to hold
- * Octa-Core 1.5GHz processor
- * Micro-USB port and OTG function
- * Being equipped with laser centering component improving the accuracy
- * More sensors are installed, electronic compass, gravity sensor, Built-in thermometer, atmospheric pressure altimeter,etc.





Specifications

System	Operation system	Android 5.1/6.0
	Processor	Octa-Core 1.5GHz
	Storage	3GB RAM
		32GB ROM
		Up to 128G extensible
GNSS	Channels	220
	GNSS	GPS L1, GLONASS L1, BDS B1
	Data output	NEMA-0183
	I/O protocol	RTCM2.3(1, 3, 9), RTCM31 etc.
	Update rate	1Hz
	Reacquisition	<1s
	Cold start	<30s
	Accuracy	Single point positioning: 2.5m
		SBAS : 0.50m Horizontal 0.85m Vertical
DGNSS : 0.25m+1ppm Horizontal 0.50m+1ppm Vertical		
Multimedia	Others	Laser centering, external antenna port
	Camera	8.0 megapixel AF, flashlight
	Display	Capacitive screen 5inch 1280×720
	Sensor	Electronic compass, gravity sensor, built-in thermometer, atmospheric pressure altimeter, light sensor and distance sensor (optional)
	Other function	Integrated speakers and microphone
	Communication	network
Bluetooth		BT4.0 downward compatible to BT2.1+EDR
WIFI		IEEE 802.11 b/g/n
USB		Support USB charging and OTG function
Electrical	Battery	Changeable 3.7V,7200mAh Li-Ion,2 batteries (standard)
	Battery life	Single battery>10 hrs
	Battery charging	2 stands charger, 4 hrs fast charging; supports car-charger and charge pal
Environment	Waterproof/Dustproof	IP68
	Shockproof	1.5m
	Temperature	Storage temp : -40°C~+80°C
Physical property	Size	231×92×57mm
	Weight	0.56kg (battery included)

Wide applications

X5 adopts professional GPS module, 220 channels, GPS, GLONASS and BDS tracking, ensure faster satellite tracking and more reliable positioning result. As one of the best sold product of South Group, X5 can be widely used in the variety GIS field. For example, forestry investigation, agriculture management, land resource investigation, underground pipe and cable detection, geodetic control survey, etc.



The Polar X5 handheld is from the South Polar X series family of integrated, rugged, and high-accuracy GNSS handhelds. As a streamlined solution that enables faster and more productive data collection, the Polar X5 is ideal for organizations, such as utility companies, municipalities, and environmental agencies, requiring mobile data collection and asset management solutions.



Perfect for asset management and data maintenance projects, everything is integrated into a convenient, rugged package: high sensitivity GNSS, Windows Embedded Handheld operating system or Android operating system, Office applications, camera, and cellular connectivity.

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