## VBase Survey GNSS Receiver

Data Specifications	
GNSS Catallita Turaluin r	Support HM 505 motherboard, all satellite all frequency
Satellite Tracking	GPS (L1 C/A, L2 C, L2 P, L5)
	GLONASS (L1 CA, L2 CA, L3)
	BeiDou (B1 I, B2 I, B1 C, B2 a, B3 I, B2 b)
	Galileo (E1, E5 a, E5 b, E5 AltBOC)
	QZSS (L1 CA, L2 C, L1 S, L5)
Output Format	NMEA-0183, Raw observation data, RTCM 3.X
Positioning Data Frequency	1 Hz
Data Format	GNS, RTCM, NMEA
Differential Format	RTCM 3.0, RTCM 3.2, RTCM 3.3
System	
Operating System	Linux operating system
Data Storage	Internal 8 GB ROM
Precision <sup>[1]</sup> Single Point Positioning	Horizontal accuracy: ±1.5 m(RMS)
	Vertical accuracy: $\pm 2.5 \text{ m}(\text{RMS})$
Static Measurement	Flat: $\pm (2.5 \pm 0.5 \times 10^{-6} \text{ D})$ mm
	Elevation: $\pm(5+0.5\times10^{\circ} \text{ D})$ mm
	(D is the distance between the measured points)
Data Communication	
Network	FDD: B1/2/3/4/5/7/8/12/13/18/19/20/25/26/28/66
	TDD:B34/38/39/40/41
	GSM:850/900/1800/1900 MHz
Wi-Fi	Built-in 2.4G WIFI, open and visible environment,
	transmission distance ≥ 30 meters
Wired Network	Support 10 M/100 Mbps network
User Interface	
LED Light WEB Page	Four LED lights, namely satellite light,
	wired network light, 4G light and work ready light
	Built-in WEB page to realize receiver setting,
	status checking and upgrade management
External Interface	1, with 4 features: POE power supply;
15-core Interface	Serial port debugging, (open configuration on demand);
	USB burning (open on demand);
	Network port data transmission
SIM Card Interface	1, Nano SIM card interface
	i, nano sim cara interface
Physical Features	185 mm*123 mm (Diameter*Height)
Size Weight	185 mm*123 mm (Diameter*Height) ≤1.4 kg
Weight Power Consumption	3W (Base Station Mode)
	שיי (שמצב שנמנוסוד אוסעב)
Environmental Characteristics	
Waterproof and Dustproof	IP66

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## **CE**



Waterproof and Dustproof	IP66
Salt Spray	Alternating salt spray for 96 hours
Operating Temperature	-40 <sup>°</sup> C~+65 <sup>°</sup> C
Storage Temperature	-50 °C ~+85 °C
Storage lemperature	-50 °C ~+85 °C

## Note

<sup>1</sup>The accuracy depends on various factors, including the number of satellites, geometric distribution, observationtime, atmospheric conditions and multipath effects, etc. The data is obtained under normal conditions.