

SATELLITES TRACKING

Channels	1408
BDS	B1I, B2I, B3I, B1C, B2a, B2b
GPS	L1C/A, L1C, L2C, L2P(Y), L5
GLONASS	G1, G2, G3
Galileo	E1, E5a, E5b, E6
QZSS	L1C/A, L1C, L2C, L5
NavIC	L5
SBAS	WAAS, EGNOS, SDCM, BDSBAS, GAGAN
L-Band	Upgradeable
Cold start	<30s
RTK Initialization Time	<5s(typical)
RTK initialization reliability	>99.9%
Re-acquisition	<1s

ACCURACY

Standalone	1.5m Horizontally 2.5m Vertically
DGPS	0.4m Horizontally 0.8m Vertically
Static post-processing	2.5mm+0.5ppm Horizontally 5mm+0.5ppm Vertically
RTK	8mm+1ppm Horizontally 15mm+1ppm Vertically
PPP*	5cm Horizontally 10cm Vertically
SBAS	< 1.0 m 3D RMS
Time Accuracy	20ns
Tilt surveying	<±2.5cm, within 60° tilt

TILT FUNCTION (PLUS MODEL ONLY)

Tilt range	60° tilt range
Tilt survey accuracy	±2.5cm within 60° tilt range
IMU Initialization time	5s

COMMUNICATION

Bluetooth	BT4.2 BR/EDR
WiFi	802.11 b/g/n
4G	LTE-FDD: B1/B3/B5/B7/B8/B20/B28 LTE-TDD: B38/B40/B41 GSM: Band 850/900/1800/1900 MHz

ELECTRICAL

Battery	4000mAh
Input Voltage	5V, 2A

PHYSICAL

Size	135*70*22mm (L*W*H)
Weight	199 g

FUNCTIONALITY

Visual Alert	Two bright lights flash to provide a warning signal
Auditory Alert	Emits a loud and distinctive sound as an alert
vibration alert	The wearable vibrates vigorously to alert the wearer.
UWB	Reserved

ENVIRONMENTAL

Waterproof & dustproof	IP67
Shock	Designed to survive a 1.5 m drop onto concrete
Operating temperature	-20 °C to + 60 °C
Storage temperature	-20 °C to + 60 °C
Humidity	100% non-condensing

APPLICATION

Land Surveying
Construction Safety
Geographical information collection
Personnel positioning
Vehicle trajectory tracking
Inspection and investigation
Other high precision applications

All specifications are subject to change without notice.

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