

The apple-sized GNSS receiver SE Lite is a state-of-the-art GNSS receiver that merges industrial-leading inspiring ideas and technologies, offering an efficient and productive solution to no matter amateur or professional.

ZENITH ALGORITHM

Empowered by ZENITH Algorithm, SE Lite is capable to track enormous signals of all constellations with stunningly fast fixing speed even under thick cover of trees or beside tall buildings. Coordinates will be examined twice to ensure an utmost accuracy.

EZtilt

STEC IMU just eases your work with an ever joyful experience.
No need for calibration.
No need for initialization.
In a few seconds after getting fixed, you are in the EZtilt collecting mode. Just tip the pole end to the point at any pose withini 60°, press Collect, and you are free to go to next point.

S-LINK

Thanks to the 2W internal UHF Rx/Tx radio featured with high efficiency and low power consumption, with S-LINK protocol, SE Lite provides a safe and stable datalink with a super long distance up to 15km.

SPECIFICATIONS

SATELLITE PERFORMANCE

Channels	1,408 | 1,808 upgradable
GPS	L1C/A, L2C, L2P(Y), L5
GLONASS	L1, L2
BEIDOU	B1i, B2i, B3i, B1C, B2a, B2b
GALILEO	E1, E5a, E5b, E6
QZSS	L1, L2, L5, L6
SBAS	L1, L5
L-Band	B2b-PPP, E6-HAS
Positioning Rate	1-20Hz

ACCURACY

Code Differential	H: 0.40m (RMS) V: 0.80m (RMS)
Static	H: 2.5mm±0.5ppm (RMS) V: 5mm±0.5ppm (RMS)
Real-time Kinematic	H: 8mm±1ppm (RMS) V: 15mm±1ppm (RMS)
Network PPK	H: 8mm±1ppm (RMS) V: 15mm±1ppm (RMS)

IMU MEASUREMENT

Tilt Angle (No tilt angle limit)	2cm within 60°

DATA STORAGE

Type & Storage	SSD 8GB External USB Pen drive
Data Tranfer	Type-C USB Transfer Supports FTP/HTTP download
Differential Format	RTCM 2.1, RTCM 2.3, RTCM 3.0, RTCM 3.1, RTCM 3.2, NMEA 0183, PJK plane coord., binary code, Trimble GSOF
GPS Output Format	VRS, FKP, MAC
Network Model	Ntrip fully supportable

COMMUNICATION

I/O	Type-C (OTG+Fast Charge+Ethernet)
Antenna Port	All-in-one port for radio/GPRS antenna
UHF Radio	2W Tx/Rx 410-470MHz
Protocol	S-LINK, TrimTalk, HiTarget, SOUTH, CHC
WiFi	802.11b/g/n Hotspot/Data Link
Bluetooth	Bluetooth 2.1 + EDR and 4.0
NFC	Available

INTERFACES

Button	1
LED Indicator	Data Link, Satellite, Bluetooth, Power

POWER SUPPLY

Battery	Internal Li-on Battery 3.6V, 10,200mAh
Operating Time	Static mode 20h Rover mode 15h

PHYSICAL

Dimension	82mm(H), 108mm (W)
Weight	590g
Operating Temp.	-30°C to 65°C
Storage Temp.	-40°C to 80°C
Proof	IP68 water and dust proof 2m drop on hard surface 40G 10ms sawtooth wave



Rugged Controller
S Pod

- 8-core 2.0GHz processor
- Android 11
- 5.5" HD screen
- 4GB RAM/64GB ROM
- Customizable shortcut buttons
- 13MP camera
- Alphanumeric keyboard
- IP67

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S Pod



SYSTEM	
Processor	MT8768, 8 cores, 2.0GHz
OS	Android 11
RAM	4GB
ROM	64GB

SCREEN	
Size	5.5" Corning Gorilla Glass 3
Resolution	1080*1920

CAMERA	
Rear	13MP
Flash Light	Yes
Auto Focus	Yes

POWER SUPPLY	
Battery	Li-on, 9000mAh, 3.85V
Working Time	17h
Charging Time	<5h
Speaker	Yes
Microphone	Yes
Light	Yes
Proximity	Yes
Magnetometer	Yes
Gyroscope	Yes
Accelerator	Yes
Gravity	Yes
Compass	Yes

GNSS	
Tracking	GPS, GLONASS, BEIDOU
Accuracy	Single: 1-3m

COMMUNICATION	
GSM	850/900/1800/1900
WCDMA	B1/B2/B4/B5/B8
LTE-TDD	B38/B39/B40/B41
LTE-FDD	B1/B2/B3/B4/B5/B7/B8/B12/B13/B17/B20/B28
Wi-Fi	2.4G/5G, 802.11 a/b/g/n/ac
Bluetooth	Bluetooth 2.1+EDR/3.0/4.1LE/4.2/5.0 BLE
SD Card	MicroSD card, maximum 512GB
USB	Type C

PHYSICAL	
Dimension	225mm*86mm*22.5mm
Weight	440g
Operating Temperature	-30°C - +65°C
Storage temperature	-49°C - +80°C
Water and Dust Proof	IP67
Shock	Survive a 1.5m drop on concrete ground
Humidity	5%-95%, non-condensing

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