

STEC



Apple-sized Receiver

SE Lite

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.



Z E N I T H
A L G O R I T H M

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 within 60°, press Collect, and you are free to go to next point.



S - L I N K

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°
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DATA STORAGE

Type & Storage	SSD 8GB External USB Pen drive
Data Transfer	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 GSOFF
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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