

# 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.



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



S - LINK

Upward fast-plug design of radio antenna. 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.



When you are away from the point, the controller shows you the general direction to the point. Until you are steps away from the point, the controller will shift to the camera beneath the receiver seamlessly and shows a more accurate guidance to the point.

*\*Optional*

# 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 RTK	H: 8mm±0.5ppm (RMS) V: 15mm±0.5ppm (RMS)
PPK	H: 3mm±1ppm (RMS) V: 5mm±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, RTCM 3.3, RTCM 3.4, NMEA 0183, PJK plane coord., binary code, Trimble GSOF
Static Data Format	DAT, RINEX 2.x, RINEX 3.x, BINEX
GPS Output Format	VRS, FKP, MAC

## COMMUNICATION

I/O	Type-C (Fast Charge+Ethernet)
Antenna Port	Upward fast-plug TNC
UHF Radio	2W Tx/Rx 410-470MHz
Protocol	S-LINK, TrimTalk, Satel, etc.
WiFi	2.4G/5G, 802.11 a/b/g/n/ac Hotspot/Data Link
Bluetooth	Bluetooth 2.1 + EDR and Bluetooth 5.0
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.	-40°C to 65°C
Storage Temp.	-40°C to 80°C
Proof	IP68 water and dust proof 2m drop on hard surface
Vibration	MIL-STD-810G



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