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SITENAV 3D ROVER KIT

Our Rover Kit is a mobile GNSS solution designed for use with our 3D machine guidance systems. When used with our rod, it facilitates surveying and stakeout operations. Mounted on your machines and combined with our SITENAV 3D guidance solution, it allows you to geolocate your machines in their work areas, optimizing excavation, compaction, or leveling operations

Package Composition

- ✔ 8" Windows 10 tablet with SITENAV 3D Rover Kit software
- ✔ 8" RAM tablet holder
- ✔ Backpack with integrated form-fit foam
- ✔ 2-meter GNSS rover pole (4 sections, with bubble level)
- ✔ GNSS Tilt with cables

GNSS SPOTMAN CT140T

Positioning (1)	▸ 1408 GNSS channels (2): receiver supports all satellite positioning systems (GPS, GLONASS, GALILEO, BEIDOU, SBAS) ▸ 200 Hz IMU tilt sensor for correcting alignment errors up to 60° ▸ Maximum accuracy: Horizontal: 0.8 cm, Vertical: 1.5 cm
Data Formats	▸ RTCM 2.x, RTCM 3.x ▸ RINEX 2.11, 3.02 ▸ CMR input/output ▸ NMEA 0183 output ▸ HCN, HRC ▸ NTRIP Client , NTRIP Caster
Connectivity	▸ Wireless: Bluetooth 4.2, Wi-Fi, NFC, UHF, 4G modem ▸ Cellular: 4G LTE ▸ Modem: 410–470 MHz, Rx/Tx ▸ Internal memory: 8 GB
Design	▸ Display: 1.1" color OLED Controls: 2 LEDs, 2 physical buttons ▸ Protection: IP67 (dustproof and waterproof, withstands immersion up to 1 m) ▸ Battery: 9,600 mAh with up to 34 hours continuous RTK mobile use and up to 16 hours RTK base use (3)
Hardware	▸ Dual camera ▸ Weight: 1.15 kg ▸ Dimensions : 152 x 78 mm
Ports	1 × 7-pin LEMO port (RS-232) 1 × USB Type-C port (external power, data transfer, firmware update) 1 × UHF antenna port (female TNC)

TABLET

Specifications	▸ Système d'exploitation : Windows® 10 Pro
	▸ Processeur : Intel® Atom™ x5-Z8350, CPU Quad-Core 1,92 GHz max, Intel HD Graphics 400
	▸ Mémoire / Stockage : 4 Go / Micro SD jusqu'à 128 Go

General	▸ Dimensions & Weight: 215 × 135 × 17 mm, 740 g
	▸ Connectivity: Bluetooth, Wi-Fi, NFC, GPS, 4G integrated
	▸ Ruggedization: IP67 + MIL-STD-810G (resistant to temperature, humidity, vibration, shock, drops)
	▸ Battery life: up to 9 hours

Screen	▸ 8" IPS HD touchscreen (1280 × 800 pixels)
	▸ Dragontrail™ tempered glass
	▸ Sunlight-readable (400 nits)
	▸ Multi-touch, wireless technologies enabled

Cameras	Dual : Rear 5 MP - Front 2 MP

Power	▸ Input: AC 100V–240V, 50–60 Hz Output: 5V DC @ 3A
	▸ Battery: 7,800 mAh
	▸ Runtime: 9+ hours (tested with 720p video playback at 50% brightness)

Interfaces / Ports	1 × USB 2.0 Type-A (host)
	1 × USB 2.0 Micro-B (OTG)
	1 × 3.5 mm audio jack
	1 × Mini HDMI 1.4a
	1 × MicroSD (SDHC/SDXC) slot
	1 × Micro SIM (3G/4G) slot
	1 × DC power jack
	1 × POGO port (12)

SOFTWARE :
Size: < 4 MB Platform: Windows environment

ROVER:
Material: Carbon fiber Design: Composed of four screw-on sections, each 50 cm in length

MOBILE RADIO BASE OPTION :
The GNSS GUIDAIDE can function as a radio base, Supports CORS or Internet coverage.

(1)Accuracy & reliability are measured without obstructions or multipath, with optimal GNSS geometry and atmospheric conditions. Performance assumes at least 5 satellites and adherence to standard GPS best practices. Receiver compliance depends on availability of commercial definitions for BDS ICD, GLONASS, Galileo, QZSS, and IRNSS services. Future firmware updates will add support for GLONASS L3, Galileo E6, QZSS L6, and IRNSS L5. Battery life may vary depending on operating temperature

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