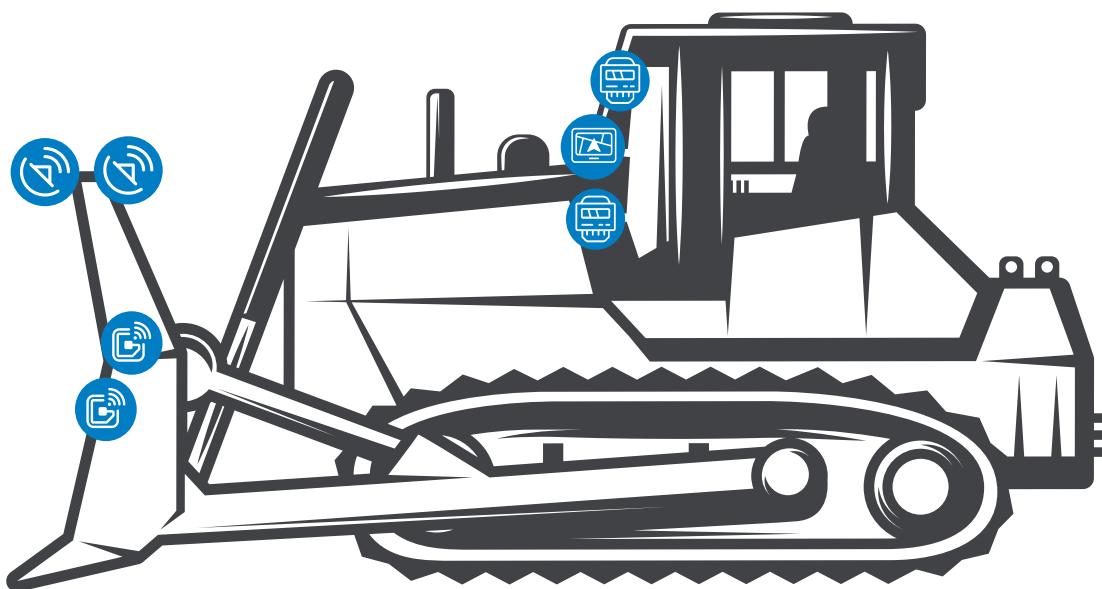


# SITENAV

## SITENAV 3D Bulldozer guidance

The SITENAV 3D machine control system enables you to tackle any project, whether simple or complex, with centimeter-level accuracy. From stripping and leveling to ground finishing and earthworks, it boosts your productivity like never before.



### Package composition

- ✓ 2 wireless sensors with mounting plates
- ✓ 2 Spotman GNSS antennas with mounting brackets
- ✓ 2 LED bargraph, mounting brackets and cables
- ✓ 8" Windows 11 tablet, holder and cables
- ✓ 1 SITENAV 3D Bulldozer software module
- ✓ 1 Backpack for transport



## CT140T SPOTMAN GNSS

### Positioning<sup>(1)</sup>

- ▶ 1408 GNSS channels<sup>(2)</sup>: 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

### GNSS Performance<sup>(2)</sup>

Channels	1408 GNSS channels
GPS	L1C, A, L2C, L2P (Y), L5
GLONASS	L1, L2, L3*
Galileo	E1, E5a, E5b, E6*
BeiDou	B1I, B2I, B3I, B1C, B2a, B2b
QZSS	L1, L2, L5, L6*
NavIC (IRNSS)	L5*
PPP	B2b-PPP
SBAS	L1, L5

### Data Formats

- ▶ RTCM 2.x, RTCM 3.x
- ▶ CMR input/output
- ▶ HCN, HRC
- ▶ RINEX 2.11, 3.02
- ▶ NMEA 0183 output
- ▶ 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<sup>(3)</sup>

### Hardware

- ▶ 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)

## P80 TABLET



### Specifications

- Operating System: Windows® 11
- Processor & Graphics: Intel® Atom™ x5-Z8350, Quad-Core CPU (up to 1.92 GHz) Intel® HD Graphics 400
- Memory & Storage: 4 GB RAM MicroSD support up to 128 GB

### General

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

### Screen

- 8" IPS HD touchscreen (1280x800 px) ► Dragontrail™ tempered glass
- Multi-touch, wireless technologies ► Sunlight-readable (400 nits)

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

## SOFTWARE



The SITENAV 3D bulldozer guidance software was developed by AIDE SAS – SITENAV for Windows.

Software size: less than 200 MB.

## WIRELESS SENSORS



### Power

- Solar charged
- 80 hours of battery life

### General

- Dimensions: 7.5 x 5 x 2.5 cm
- Rugged protective shell
- Weight: 280 g
- IP67 water-resistant

### Fixing

- Double-sided 3M adhesive mounting plate
- Mounting with tie rod

## LEDS BARGRAPH



### General

Red, orange, and green LED display; horizontal + vertical display.

► Dimensions: 19 x 7.5 x 2 cm

► Weight: 300Gr

### Connections

► Bargraph holder with power cable to tablet

## ACCESSORIES



### Battery and charger

#### Connections

► DC10-15V 2A input

► DC4.2V 1.6A output

► Charge indicator

#### General

► EC certified

► Weight: 125Gr

► Dimensions: 15 x 12 x 9,5 cm

► LI-ION battery

### Quick Release

Robust and durable material: stainless aluminium, durable and robust to withstand shocks and vibrations from vehicle guidance. Secured locking mechanism: designed with extreme precision, black anodised, treated against corrosion and abrasion.

### Backpack

#### General

► Dimensions : 55 x 36 x 26 cm

► Weight : 2,95 kg

► Multiple compartments, padded laptop sleeve, water-resistant, luggage strap, shock-resistant, reflective strips

## OPTIONS

### Bull masts kit + silent blocks

#### General

► 2 black bull masts with 4 M12 X 35 bolts

#### Fixing

► 1 mounting bracket for mast antenna: Silentbloc

► M12X60 bolts and 5/8 tapping, nuts + washers