KEY FEATURES

Operating systems

Android 2.3.3 or above

Supported instruments

Satlab GNSS RTK receiver
Satlab Android handheld controller
3rd-party Android devices

Background maps

Google maps
Google satellite
Google hybrid
Google terrain
GIS map

Project management

Project info
Coordinate system management
Parameters calculation
Code list

Data management

Collection data: Point, line, polygon
Import format:
*.DXF, *.TD2, *SHP, *.KML, *.DWG
Export format:
*.TXT, *CSV, *.SHP, *DAT, *ASC,
*.KML, *.NCN, *.geojson.
Road data:
*.ROAD, *.Xml, *.BCP, *.SEC, *.PM,
*.ICD, *.PHI, *.XY, *HJD, *.ZLINE,
*PVI, *TPL, *.BPI, *.BCI

Surveying methods

Static
Detail survey
Tilt survey
Quasi-dynamic survey
PPK survey
Mapping survey

Road survey

Road design
Road stakeout
Store cross-section
Cross-section points
Surface
Elevation difference

COGO

Angle
Distance
Coordinate system
Area
Dist and Azi
Intersection
Angle calculation
Volume
Point and line
Calculator
Share
FTP
Compass

Language

Support over 10 languages
Bulgarian
German
Greek
English
Spanish
Iranian Farsi
French
Hungarian
Italian
Japanese
Lithuanian
Polish
Portuguese
Romanian
Russian
Turkish

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SATLAB® GEOSOLUTIONS

SATSURV

Flexible and intuitive fieldwork software

Made by Sweden

The professional field surveying software

Satsurv is a customed and easy-to-use Android software for field surveying tasks, such as Detail Survey, Data Stakeout, Cadastral Surveying, Road Design and Data Management. It supports tilt survey, quasi-dynamic, PPK and static surveying mode. Equipped with built-in NFC, Bluetooth, FTP functions, Satsurv provides an industrial solution for efficient fieldwork.

Road measuring Functions

Road design

Road Design supports Centerline, Profile, Cross-Section, Side-Section, Broken Chainage, and Construction Design function.

Cross-Section

Cross-Section provides Intersection, Element and Coordination Road Algorithms so that users can survey and store the cross-section points in Store Cross-Section to get the undulating terrain.

Road Stakeout

The Road Stakeout interface of Satsurv provides road overview and cross-section perspective and users can switch it according to different road stakeout requirements. It can also display the stakeout point mileage, offset and elevation information.

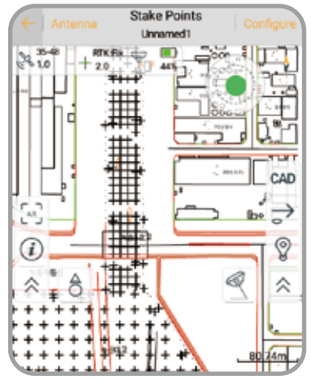
Calculation Gadgets

The built-in Transition curve, Volume, Angle Calculation, Distance and other tools support parameter calculation, which will improve the efficiency of road engineering measurement.

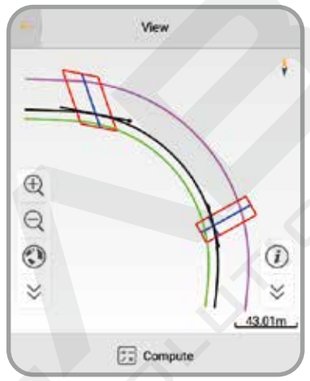
KEY FUNCTIONS

Tilt Survey

Quasi -dynamic Survey



CAD Stakeout



Road Design View

WMS

AR Stakeout

Detail Survey

Satsurv supports a variety of collection methods, such as tilt survey, quasi-dynamic survey, PPK collection and static collection, etc. In the detail survey interface, users can set the collection accuracy, stakeout standard, or check the current number of satellites, solution status, age of correction, positioning accuracy, etc.

Data Stakeout

Advanced AR stakeout function will help users improve the efficiency and accuracy of data staking out without focusing on the software interface in real-time. With the intelligent voice prompts, users can accurately determine the direction of data stakeout forward with a built-in compass.
Data Stakeout also supports access to DXF, DWG format data for point stakeout and line stakeout. By the object snap functions of INT, TAN, PER, NOD, user can achieve data stakeout easily.

Data Management

Data Management supports Google Maps, Google Satellite Maps, GIS Offline Maps, and OGC map service of WMS, TMS, WCS, and WFS as data collection maps. Besides, it supports access to third-party rangefinders to achieve a more accurate measurement of distance and angle.

Shortcut Methods

Satsurv provides some shortcut methods to facilitate users' operation, such as triggering a Bluetooth connection by using NFC shortcut mode without searching for the device number, quickly registering and opening a latest saved coordinate system via QR code scanning. With the FTP transmission, users can transfer documents in the same network environment without connection cables.

Tilt survey | Quasi-dynamic survey | PPK | CAD Stakeout | Road design | AR stakeout | Electronic bubble