e-survey

SurPad4.2

POWERFUL COMPREHENSIVE FIELD DATA COLLECTION SOFTWARE

Based on the Android platform, the eSurvey SurPad 4.2 software is designed to assist professionals with all types of land surveying projects in the field. Combining with the international mainstream of surveying and mapping data acquisition function, it integrates with professional receiver control, point collection, stakeout, GIS data collection, road measurement, road design, cross-section measurement, railway stakeout, and COGO functions. Its comprehensive functions enhance users' work efficiency.

Software

Powerful Functions

Enjoy the powerful functions, including tilt survey, CAD, line stakeout, road stakeout, GIS data collection, COGO calculation, QR code scanning, FTP transmission, etc.

Easy-to-use UI

Freely choose the desired display style, including list, grid, and customized style, and enjoy easy operations with graphic interaction, including COGO calculation, QR code scanning, FTP transmission, etc.

Compatible with Any Android Devices

Use it on all Android devices (Android 7.0 and above), including eSurvey handhelds, Android phones, tablets, and other third-party Android devices.

Abundant Formats for Importing and Exporting

Directly import and export files with frequently used formats and customized formats.

Advanced Display of Base Maps

Supports the import of different formats of base maps including, but not limited to AutoCAD formats (DXF, DWG), SHP and Land XML, which provides a more user-friendly experience during fieldwork.

Powerful CAD Function

The powerful CAD function built in Surpad4.2 supports the import, export, creation, and editing of CAD graphics either on or outside of the field.

Website

Social media

Key Functions

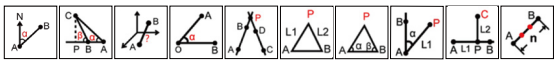
More comprehensive and rich survey and stakeout functions to improve the efficiency of your work.

Multiple road designs, road measurement, cross section stakeout, etc.

Rich built-in coordinate system parameters for surveying and mapping without creating it by yourself, which is time-saving and trouble-saving.

With GIS data collection, the information on various map attributes, facilities, assets, and organizational data can be digitized and organized on a target GIS system in appropriate layers.

Rich COGO calculation for solving your coordinate geometry problems:



Advanced CAD data management, supporting drawing CAD objects, importing files of DXF, DWG and XML formats, and exporting files of DXF format.

Optimized tilt survey correction algorithm and procedure to boost your efficient fieldwork.

Product Specification

Basic Information	
Platform	Android
Update	Online update
Activation	Online activation

Communication	
Bluetooth	Support
Wi-Fi	Support
Serial port	Support
Simulation	Support customized coordinate

Map Function	
Online	■ Google street map[1] ■ Google satellite map[1] ■ Open street map
Offline	SHP, DXF, DWG, XML

Coordinate System	
Predefined	Large number of coordinate systems
Localization	Four parameters, seven parameters
Geoid files	GGF, SGF, UGF, customized EDS
Grid files	GSB, customized GDS
Sharing function	Share with QR code or save locally
RTCM1021~1027	Support
Grid to ground	Support

Import & Export	
Export	CSV, DAT, DXF, KML, GPX, HTML...
Import	CSV, DAT, TXT, DXF, KML...

Survey Mode	
Point type	■ Topo point ■ Control point ■ Quick point ■ Auto point by time/distance ■ Corner point ■ Tilt point ■ Stop and go
CAD entity	Line, polyline, rectangle, polygon, circle, arc, spline
GIS Function	Support

1.The google service is required.

CAD Function	
CAD format	DXF, DWG, XML
CAD drawing	Support
CAD calculation	Angle, distance and area

COGO	
COGO function	■ Coordinate inverse calculation ■ Point line calculation ■ Vector ■ Two lines angle ■ Intersection calculation ■ Resection ■ Forward intersection ■ Coordinate positive calculation ■ Offset point calculation ■ Equal point calculation

Stakeout	
Stakeout target	Point, line, road, cross section
Stakeout reference	North or forward direction
Voice	Support voice prompt

Language	
Software language	■ English ■ Simplified Chinese ■ Traditional Chinese ■ Portuguese ■ Korean ■ Polish ■ Spanish ■ Turkish ■ Russian ■ Italian ■ Japanese ■ Magyar ■ Swedish ■ Serbian ■ Greek ■ French ■ Bulgarian ■ Slovak ■ Czech ■ Finnish ■ German ■ Lithuanian ■ Vietnamese ■ Norwegian ■ ...

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