

# SINGULARPAD

## FIELD SURVEYING SOFTWARE

Professional Assistant For Your Projects



### FULLY FUNCTIONALITY

SingularPad is fully functional as a field surveying software, equipped with complete work modes and necessary functions for surveyors. Projection/datum configuration, GSM/radio/PDA CORS work modes, point survey/stake out/CAD sketch/COGO calculation and etc. can all be found in SingularPad.

### PROFESSIONAL DESIGN

In order to provide professional users with better working experience, SingularPad is designed with more advanced features, such as more import formats, more calculation tools, stake out accuracy analysis, auto-sketching by codes, CAD layer editing and etc.

### NON-STOP IMPROVING

To meet the rapidly developed GNSS industry and user requirements, SingularPad is constantly being upgraded with new features. Any suggestions and demands from users are welcome and will be added as soon as possible. With SingularPad, you will enjoy software services never out of date.

## FIELD HARDWARE SUPPORT

SingularXYZ RTK	Orion ONE Series, X1-Series, Z1, Sfaira ONE Series, P2 Series, etc.
SingularXYZ Total Station	STSA9, TS1000, STS2 total station
NMEA Device	Other GNSS devices that support NMEA-0183

## DATA COLLECTOR SUPPORT

SingularXYZ Device	SC200 data collector, SC300 data collector, T8 tablet
Android device	Android devices with OS 4.2 or higher

## FUNCTIONS

Project	Project manager, Datum configuration, Localization, Survey Range Setting, Point database, Code manager, etc.
Device	Device connection & debugging, Rover/base configuration, Device information/setting, etc.
Survey	Point survey, Laser survey, Control point survey, Detail survey, CAD sketching & stake, AR Stakeout, Stake point/line, Road stake, DSM stake, etc.
Tool	Coordinates converter, Angle converter, Perimeter & area calculation, File sharing, COGO and other calculators

## COMMUNICATION

Network Protocols	Ntrip, TCP/IP
Radio Protocols	LoRa, TRIM450S, Transparent, Satel and other common radio protocols
GNSS Data format	- RTCM 2.X for DGPS/RTD - RTCM 3, RTCM 3.2, RTCM 3.2(MSM5) - CMR - NMEA-0183

## EXPORT & IMPORT

Import formats	<ul style="list-style-type: none"> <li>- <b>Points data:</b> *.csv, *.dat, *.txt, *.raw, *.rw5, *.kml, *.kmz, *.ncn, *.pxy, *.crd and user-defined<sup>1</sup></li> <li>- <b>Lines data:</b> *.csv, *.dat, *.txt, *.sl, *.raw, *.kml, *.kmz, *.ncn, *.pxy, *.crd and user-defined<sup>1</sup></li> <li>- <b>Transformation parameters:</b> *.cot, *.loc and user-defined<sup>1</sup></li> <li>- <b>Code Library:</b> *.cdb, *.csv, *.dat, *.txt and user-defined<sup>1</sup></li> <li>- <b>CAD data:</b> *.dxf, *.dwg</li> <li>- <b>Road stake:</b> *.rob, *.RP, *.LE, *.RE, *.REC, *.xml, *.dxf, *.kml, *.kmz, *.ip, *.dy, *.rod, *.road, *.xy, *.PHI, *.SEC and user-defined<sup>1</sup></li> <li>- <b>DSM stake:</b> *.sjw, *.xml, *.tnb, *.dxf</li> </ul>
Export formats	*.dat, *.txt, *.csv, *.dxf, *.shp, *.kml, *.kmz, *.gpx, *.jpg, *.xls, *.html, *.ncn, *.pxy, *.crd and user-defined <sup>1</sup>

## SUPPORTED LANGUAGES

Bulgarian	Persian
Chinese (Simplified)	Polish
Chinese (Traditional)	Portuguese
English	Russian
French	Serbian
Greek	Slovak
Hungarian	Spanish
Italian	Swedish
Japanese	Turkish
Korean	

1. The detailed properties of import/export data file can be customized by the user, and the user-defined formats include \*.dat, \*.txt, \*.csv, \*.xls, \*.xlsx.

All specifications are subject to change without notice.