### **SPECIFICATIONS**



Communication Range	
Bluetooth	(12-15km in optimal condition) Bluetooth 5.0, Bluetooth 3.0/4.2 standard, Bluetooth 2.1 + EDR
	Support 
Data Storage/Transmission	
Tr	16GB SSD internal storage Support automatic cycling storage Support external USB storage (OTG) ne customizable sample interval is up to 20Hz Plug and play mode of USB data transmission Supports FTP/HTTP data download
Data FormatStatic	data format: STH, Rinex2.01, Rinex3.02, etc. Differential data format: RTCM 2.1, RTCM 2.3, RTCM 3.0, RTCM 3.1, RTCM 3.2 GPS output data format: NMEA 0183, PJK plane coordinate, Binary code Support: VRS, FKP, MAC, fully support NTRIP protocol
Sensors	
IMU Camera	<ul> <li>Built-in IMU, calibration-free, 60 Degreest</li> <li>Front Camera: 8MP, Bottom Camera: 2MP, (Live View AR stakeout)</li> </ul>
Laser	3R green laser, 30m working range
Electronic Bubble	bubble, checking leveling status of the carbon pole in real-time Built-in thermometer sensor, intelligent
	temperature control technology, monitoring and adjusting the receiver temperature
User Interaction	
	Linux SSingle button Data and power indicators
Web Interaction	With access to Web UI via WiFi or USB connection, users can monitor the receiver
Voice Guidance	status and change the configurations Chinese/English/Korean/Spanish/Arabic/ Portuguese/Russian/Turkish/French/Italian/
Secondary Development	<ul> <li>Provides secondary development package, and opens the OpenSIC observation data format and interaction interface definition</li> </ul>
Cloud Service	The powerful cloud platform provides online services like remote management, firmware updates, online registers, etc.
*Reserve for future ungrade	

ent accuracy and operation range might vary due to atmospheric conditions signal multipath, obstructions, observation time, temperature, signal geometry and number of tracked satellites. Specifications subject to change without prior notice. 1. Actual battery life can vary depending on usage patterns and other factors. The listed parameter was obtained under controlled testing conditions

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SOUTH

ALPS2 Laser RTK **REACH NEW HEIGHT** 

> **LASER MEASUREMENT & REMOTE STAKEOUT**

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0. **LIVE-VIEW AR STAKEOUT** WITH DUAL CAMERA

# **Laser Measurement** - Four Advantages to Add Your Productivity

# Laser Stakeout & CAD AR Stakeout - Lift Your Efficiency to A New Level

## Measure More & Farther, in shorter time

With laser measurement, ALPS2 has a broader working range and fewer blind spots, enabling remote measurements in areas with poor GNSS signal quality. Previously challenging spots, like spaces under rooftops and areas with obstacles, are now easily measurable.

## Measure at Day or Night, by Your Need



Laser measurement allows surveyors to collect target point at a dark environment such as night or semi-indoor environment. It also can measure distance indoor.

## Measure the Unreachable, break the limit



Laser measurement allows surveyors to collect target point at a position that traditional RTK can not reach directly, such as point on the surface of a wall, a tree, or sill of window, and the small space that surveyors can not step in.

## Keep You Away from Dangers, Safe than Ever



Laser Measurement help users mitigate risks when surveying near hazardous areas, such as busy roads and sea or lakes, ensuring surveyors' safety. A secure working approach is not only a personal requirement but also essential for the well-being of your family.











#### **To Overcome the Difficulty**

Lasers bring more possibilities to staking out.

Now, when you encounter tall obstructions near the target point in the field that block satellite signals, you will no longer be helpless.

Please just enable laser and continue the work.

Additionally, when it is inconvenient to carry instruments to the target point, you can also choose to stake out by laser from a distance of several meters away.



#### Simplify Your Workflow with CAD

ALPS2 can integrate the content of CAD drawings with real-world scenes, helping you stakeout targets more quickly.

The front camera assists surveyors in finding a general direction from a distance and understanding the distribution of surrounding features. The bottom camera enables precise stakeout as you approach the target.

With dual camera's help, your stakeout will be easier and more intuitive.



