Eyr is the first creative RTK product with dual cameras from SatLab

With the functions of live-view stakeout and image survey, the convenience of non-contact measurement and the new experience of immersive positioning to the sample point must be the biggest surprise. Along with the product innovation, the RTK hardware upgrade is also a crucial viewpoint to enhance field and office work. The newly upgraded IMU and next-generation integrated SOC platform are sure to open your eyes, overcoming the objective limitations of the work.

Specifications

Channel	1408/1760
Tilt Survey Accuracy	8mm+0.7mm/°tilt
Image Stakeout Accuracy	2cm
Image Survey Accuracy	2cm ~ 4cm
Size	Φ130mm×79mm
Weight	≤0.97kg
Satellite Tracking	BDS, GPS, GLONASS, GALILEO, QZSS, IRNSS, SBAS
Data Storage	Built-in 8GB ROM
Hi-Fix	H: RTK+10mm / minute RMS V: RTK+20mm / minute RMS
PPP	H: 10cm / V: 20cm

*Accuracy is dependent on GNSS satellite availability. Hi-Fix Positioning ends after 5 minutes without differential data. Hi-Fix is not available in all regions. Please check with your local sales representative for more information.

Eyr

GNSS Receiver

IP68

Eyr GNSS Receiver

HD Dual Cameras for Easy Visual Survey of Building Elevation and Quick Stakeout

Based on the high-performance image processing technology of Android, the rear-view camera is utilized in conjunction with the controller to obtain precise coordinates for distances of 2-15 meters with an accuracy of 2-4cm in real time. The camera enables AR live-view stakeout with an accuracy of 2cm, saving time and effort in reaching the stakeout point. A better usable range of GNSS for effective and secure operation is possible through the new image survey feature, which allows for non-contact measurements.

Multi-Protocol Built-In Radio

Multi-protocol built-in radio in Eyr is capable of transmitting and receiving differential data, compatible with multiple brands of RTK radio power regulation. The excellent built-in radio developed internally enables the Eyr to reach a typical operating range of 7km outdoors, even better in ideal working conditions.

Satellite Tracking -Full Constellation and Full Band

The new generation of optional 1408-channel GNSS engine supports BDS/GPS/GLONASS/Galileo/QZSS satellites and also supports the new frequency points B1C, B2a and B2b RTK decoding of Beidou-3 satellite.Eyr can meet the needs to search and decode of up to 50+ satellites with more sensitive satellite reception and much improved fixing performance.

Advanced IMU Module

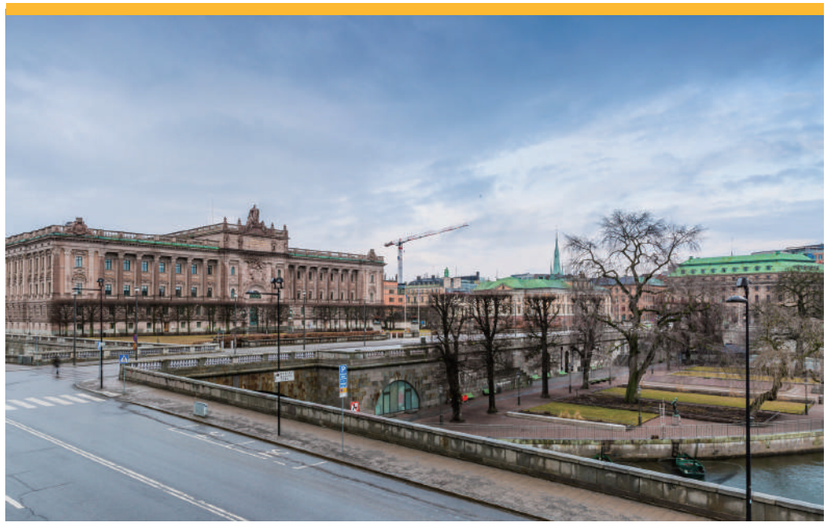
Eyr comes with an upgraded IMU module with automatic initialization as it power on, which is efficient and convenient in the process of surveying. The access to the tilt survey provides a new experience, not only for easy initialization and hard quitting, but also for stable and high measurement accuracy. The new 9-axis module assists you to survey or stake out points accurately without leveling the pole, boosting the working efficiency by 20 percent. The error is less than 2.5cm within a 60° inclination in the ideal environment.

Eyr GNSS Receiver

A Comprehensive Set of Industry Solutions

Applications

- Measurement in the scenes with a lot of details.
- Measurement in dangerous scenes.
- Measurement for target points on building facades.
- Measurement under the canopy.
- Measurement in the scenes that need to be discreet, such as traffic accidents.
- Measurement for inaccessible points.
- 3D modeling of the city through surveying.



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