

TERSUS

Tersus Advanced Positioning

TAP here, TAP there, TAP everywhere.



Tersus Advanced Positioning(TAP)

TAP is a satellite-based precise point positioning service developed by Tersus GNSS, which allows users to achieve centimeter-level high-precision positioning worldwide. With TAP, the GNSS rover receiver will not need to work with the local RTK base station or CORS, but directly receives corrections broadcast by the satellites, such as ephemeris error, satellite clock error, etc. TAP meets the demand of centimeter-level high-precision positioning in areas without or with poor network coverage, such as oceans, deserts, mountains, high altitudes, etc.

We offer two TAP-based products, David30-TAP and Oscar-TAP.



David30-TAP

The David30-TAP GNSS Receiver is equipped with a high-performance multi-constellation and multi-frequency GNSS board that ensures stable signal detection for centimeter-accurate positioning. Its advanced features and capabilities make it an effective tool for professionals who demand accuracy and consistency in their work. The David30-TAP is a lightweight and compact palm-sized device that can easily integrate with various application systems.

- Multi-constellation
- Free TCS
- PPP service
- Easy integrate



Oscar-TAP

Oscar-Tap has more powerful features. It supports calibration-free tilt compensation function which is immune to magnetic disturbances, leveling pole is not required. Easy configuration with 1.54 inch interactive screen on Ultimate versions. With an internal high-performance multi-constellation and multi-frequency GNSS board, the Oscar-TAP GNSS Receiver can provide high accuracy and stable signal detection. The built-in large capacity battery is detachable, two batteries support up to 16 hours of field work in 4G/3G/2G network and Rover radio mode. The built-in UHF radio module supports long distance communication. The rugged housing protects the equipment from challenging environments.

- Multi-constellation
- UHF radio&4G network
- IMU-GNSS Fusion
- Free TCS
- PPP service
- Smart battery



Features

Worldwide coverage

With worldwide coverage, it can be used as long as there is a good vision.

High signal stability

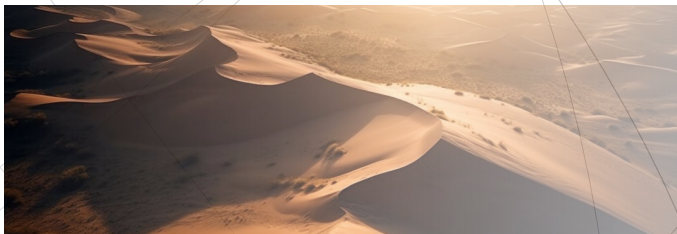
Guarantees uninterrupted transmission for 24 hours a day.

No need local RTK base station or CORS

Directly receives corrections broadcast by the satellites. Broadcasting over the internet is available as a backup method for data delivery for all users.

Wide range of applications

It can be widely used in autonomous driving, precision agriculture, and disaster monitoring and so on.



Application



Intelligent transportation



Construction



Machine control



Precision agriculture



Navigation applications



Marine surveying



Mining, oil and gas and more

Technical Specifications

Tersus Advanced Positioning (TAP)

Performance

Signal Tracking	GPS, GLONASS, BeiDou, Galileo, L-Band
Positioning Accuracy (RMS)	15mm(Horizontal) 30mm(Vertical)

Convergence time

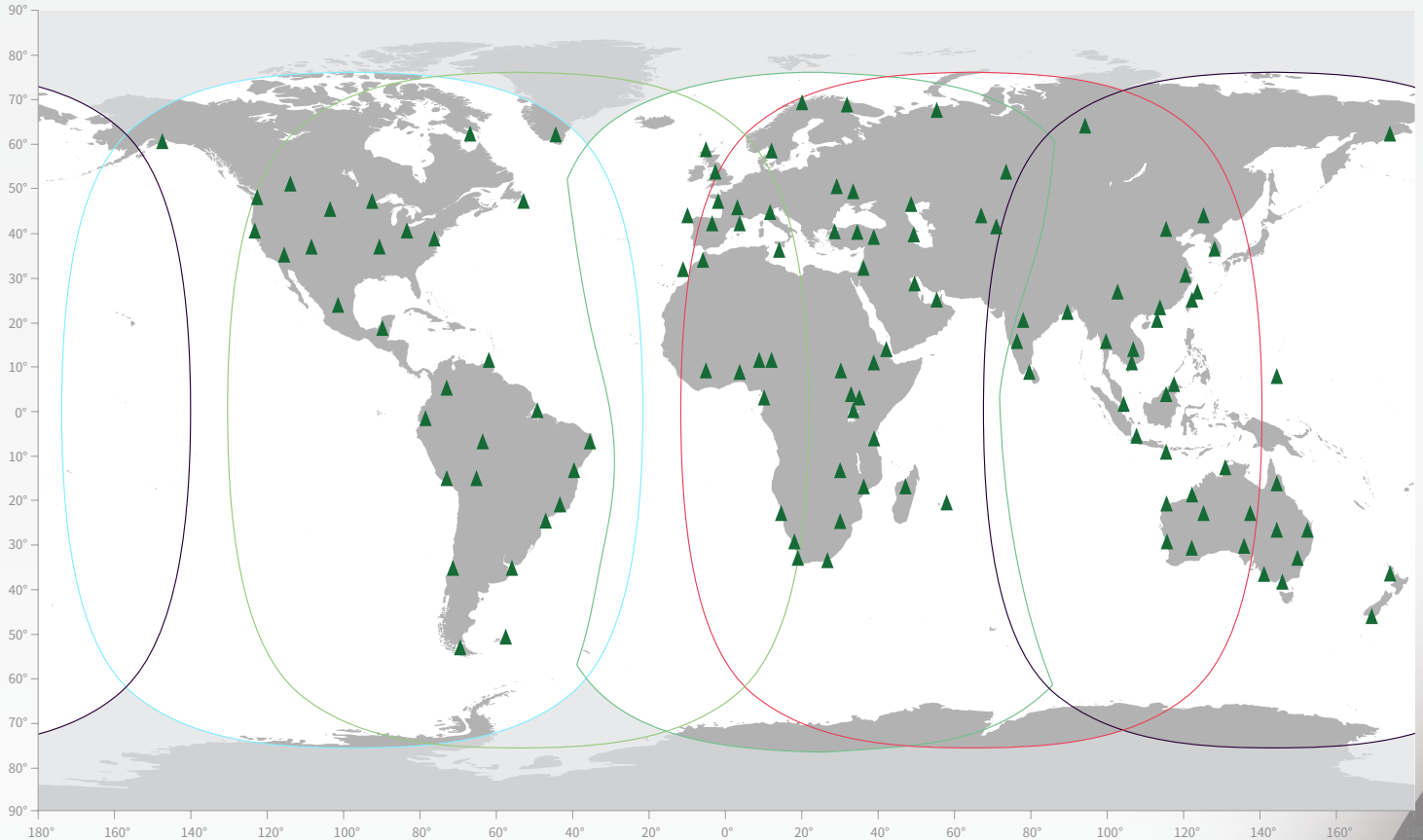
3 minutes

Coverage

Global

Signal stability

99.99%



Tersus GNSS Inc.

Right to the point.

Tersus GNSS is a leading Global Navigation Satellite System (GNSS) solution provider. Our offerings and services aim to make centimeter-precision positioning affordable for large-scale deployment.

Founded in 2014, we have been pioneers in design and development GNSS RTK products to better cater to the industry's needs. Our portfolios cover GNSS RTK & PPK OEM boards, David GNSS Receiver, Oscar GNSS Receiver and inertial navigation systems.

Designed for ease of use, our solutions support multi-GNSS and provide flexible interfaces for a variety of applications, such as UAVs, surveying, mapping, precision agriculture, lane-level navigation, construction engineering, and deformation monitoring.

Descriptions, specifications and related materials are subject to change.

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To learn more, please visit: www.tersus-gnss.com

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