

📶 HCS885XF L1/L5 Smart GNSS Helical SDK

Light weight, low power, cm-level precision supporting moving base precise heading* applications.

Calian's HCS885XF Smart GNSS Helical Antenna is the Plug and Play, light weight, low power L1/L5 solution for Handheld Devices, Robotics and Drones.

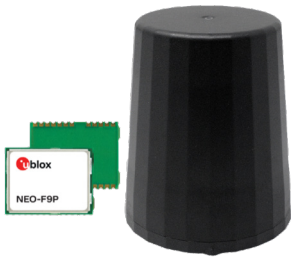
The HCS885XFSDK Smart GNSS Helical SDK is the best way to fast track precise location and heading in your project. The L5 enhanced signal architecture with stronger broadcast signal offers more precise standard localization and improved multi-path mitigation while operating in an ITU/ARNS aviation band with regulatory interference protection. The SDK includes one* HCS885XF Smart GNSS Precise Heading Helical Antenna with serial to USB bridge to connect to your PC. **TruPrecision** software simplifies the User Interface to the antenna's GNSS receiver, and provides extras such as logging tools, GNSS signal strength graphs and message routing for sharing RTCM between base and rover antenna pairs across the internet. It also includes a 60-day complementary access to ublox' **PointPerfect®** GNSS Augmentation Service, with an easy process for quickly applying corrections (RTK or PPP-RTK) to the antenna. Also compatible with Point One **Polaris** RTK and Swift Nav **Skylark®** Cx/Nx RTK commercial services. **ROS2®** drivers also available.

* 2 HCS885XF Smart GNSS Helical Antennas and therefore 2 SDK's are required for Moving Base Precise Heading functionality

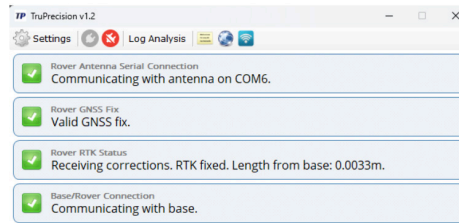
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Calian HCS885XF Precise Heading Helical SDK



HCS885XF Smart GNSS Antenna



TruPrecision Software



PointPerfect
GNSS augmentation service

**60 Days Complementary
PointPerfect GNSS
Augmentation Service**

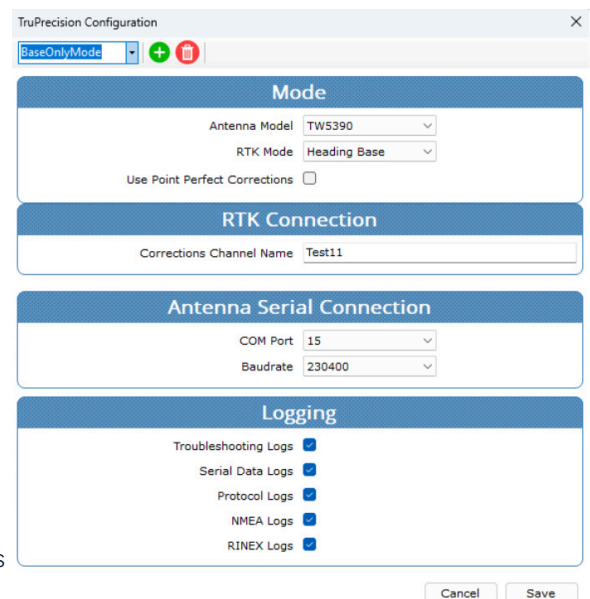
HCS885XFSDK Smart GNSS Helical SDK includes:

- 1 x Tallysman 33-HCS885XF-49 Smart GNSS Precise Heading helical antenna with CMOS interface
- Tallymatics TruPrecision Application for Software Development and Verification
- 60-day trial subscription to the PointPerfect augmentation service
- 1 x JST to USB cable
- Ordering Information: 33-HCS885XFSDK-41

The TruPrecision SDK application is a Windows service which provides an autonomous connection to stream PointPerfect, Polaris or Skylark corrections to the HCS885XF Smart Antenna via the serial to USB bridge (or direct via CMOS/RS-232 port). It also provides a Virtual COM Port to allow customers to connect their existing applications to the Tallysman HCS885XF Smart Antenna position data output. The position data may be either NMEA or UBX formatted messages. ROS2® Drivers are available for integration with ROS2 open framework projects.

ROS 2™

ROS2® Drivers: <https://github.com/Calian-gnss/calian-gnss-ros2-drivers>



About Calian

We keep the world moving forward. Calian® helps people communicate, innovate, learn and lead safe and healthy lives. Every day, our employees live our values of customer commitment, integrity, innovation and teamwork to engineer reliable solutions that solve complex problems. That's Confidence. Engineered. A stable and growing 40-year company, we are headquartered in Ottawa with offices and projects spanning North American, European and international markets. Visit calian.com to learn about innovative healthcare, communications, learning and cybersecurity solutions.

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