Product summary

PointPerfect Live
Network RTK GNSS correction service

Superior performance for the most demanding applications

PointPerfect Live delivers the highest accuracy in real time on a regional scale through IP-based RTK corrections, ensuring precise positioning when and where it matters most. Designed to work seamlessly with any GNSS RTK hardware using open standards, it provides maximum flexibility for integration.

Powered by a dense reference station network, the PointPerfect Live GNSS correction service ensures effortless setup, real-time operation, and corrections in local data frames — your all-in-one solution for seamless precision positioning. Ideal for demanding use cases in verticals like construction, surveying, precision agriculture and mining.

Superior positioning performance and reliability

- Get up and running quickly with near-instant initialization for real-time operation and increased productivity.
- Achieve precise 1-2cm + 0.5 ppm horizontal accuracy, ideal for demanding applications requiring pinpoint precision.
- Leverage all available GNSS constellations to maximize accuracy and reliability and ensure consistent performance in any environment.
- Ensure uninterrupted performance with 99.85% uptime and 24/7 monitoring to guarantee service consistency and dependability.

Seamless operation and data access

- Works seamlessly with any GNSS RTK receiver module, u-blox or non u-blox, and even supports mixed fleets.
- Standard RTCM format supports any GNSS RTK receiver.
- Use the NTRIP protocol to easily connect over mobile internet.
- Easy to get started without the need for integration expertise.

Regional coverage and localized corrections

- Regional coverage in Europe and North America.
- Seamless integration with regional geodetic systems.
- Receive correction data in local coordinate reference frames. Ideal for alignment with national mapping, construction and surveying standards.

Comprehensive GNSS Solutions

- A broad portfolio of GNSS hardware and correction services ensures flexibility, reliability, and precision across various applications.
- u-blox is a trusted industry leader in GNSS and RTK technology

PointPerfect Live
Network RTK GNSS correction service

Precise positioning applications

For applications that require real-time, high-precision GNSS corrections, PointPerfect Live delivers centimeter-level accuracy with IP-based network RTK corrections, ensuring precise positioning for surveying, construction, mining, precision agriculture, UAVs, and autonomous robots.

Surveying   Construction   Autonomous mobile robotics

Mining   Precision agriculture   Unmanned aerial vehicles (UAV)

PointPerfect Live specification

Data format	RTCM
Technology	Advanced Network RTK (OSR)
Horizontal accuracy[1]	1-2cm + 0.5ppm
Initialization or convergence time[2]	<10 seconds
Coverage	Europe & North America
Reference frame	Local
GNSS signal support[3]	GPS: L1, L2, L5 Galileo: E1, E5 BeiDou: B1, B2, B3 GLONASS: G1, G2
Communication methods	IP

[1]The specifications are based upon field and laboratory testing. Accuracy and convergence time may be affected by user hardware type (antenna/receiver), available GNSS constellation (PDOP) and site conditions.

[2]Performance may be degraded in conditions with high Ionospheric activity, extreme multipath, or under dense foliage. For maximum system accuracy, always follow best practices for GNSS data collections.

[3]There are exceptions in certain areas; more information is available upon request.

Useful links

Web page:	**www.u-blox.com/product/ pointperfectlive**
Thingstream platform	**portal.thingstream.io/register**
Getting started	**support.thingstream.io**

u-blox products supporting PointPerfect

ZED-X20P all band high precision GNSS module

ZED-F20P triple-band high precision GNSS module

ZED-F9P high precision GNSS module

ZED-F9K high precision dead reckoning with IMU sensor

NEO-F9P multi-band GNSS receiver

ZED-F9R high precision dead reckoning modules

EVK-X20P high precision GNSS evaluation kit

Further information

Contact us: **www.u-blox.com/contact-u-blox-services**.

For more details, see **www.u-blox.com/product/pointperfectlive**.