

X1 Pro GNSS receiver enhances surveying precision



SingularXYZ has presented its latest innovation for geospatial professionals: the X1 Pro GNSS receiver. This new device aims to refine precision in surveying technology with a range of features tailored to streamline operations and improve accuracy.

Central to the X1 Pro is its enhanced HD colour screen, providing users with clear visibility for monitoring status and

straightforward configuration. Despite its robust capabilities, the device has a sleek and lightweight design, ensuring ease of use without compromising on performance.

The X1 Pro's standout feature lies in its swift initialization time. It requires only five seconds to commence tilt measurements of up to 60°. This efficiency is made possible by the advanced IMU module, setting a new standard for speed and accuracy in the field.

Mapping in challenging environments

Equipped with full-constellation signal tracking and an advanced RTK algorithm, the X1 Pro delivers stable fixed solutions within seconds, even in challenging situations such as multipath effects in urban canyons, or environments with tree canopies. This reliability supports smooth operation and precise data collection across various terrains.

Additionally, the X1 Pro offers an extended operational lifespan, providing over 20 hours of continuous usage on a single charge. Its optimized charging system eliminates the need for removable batteries, while compatibility with power banks allows for convenient on-the-go charging.

Connectivity options

In terms of connectivity, the X1 Pro offers a range of options including NFC, Bluetooth, Type-C USB, TNC connector, RS232 serial port, and Wi-Fi/4G capabilities. This versatility enables seamless integration with various devices and facilitates efficient data transfer and device management.

Built with real-life conditions in mind, the X1 Pro features a durable IP68-rated housing, providing protection against water, dust and accidental drops. Its sturdy construction ensures longevity, making it a dependable tool for surveyors operating in diverse environments.

The X1 Pro GNSS receiver exemplifies SingularXYZ's dedication to advancing surveying technology through practical features and reliable performance. With a steadfast focus on innovation, [SingularXYZ](#) is committed to driving industry progress, enhancing precision and efficiency for businesses in their surveying operations.



SingularXYZ X1 Pro GNSS receiver. (Image courtesy: SingularXYZ)