



Smart Construction Rover



High-precision positioning is possible by anyone, anytime, anywhere with the two-frequency GNSS receiver.

1. Two-frequency receiver supporting multi-GNSS
2. Rapid, high-precision positioning
3. Equivalent performance to existing surveying devices with outstanding cost-performance

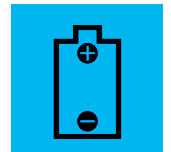
IP65 dust- and water-proofing treated

Usage under a poor environment is assumed. It prevents entry of dust and resists jet flow from all directions.



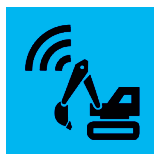
Battery-powered

Continuous operation is possible with four commercially available size AA dry-cell batteries. Eight size AA rechargeable batteries are included with this product to ensure long operation hours.



Linking with Smart Construction Retrofit

Transfer the localization data acquired by this product to Smart Construction Retrofit*. It can be converted into the required data format.



Complete package

You can use it immediately; all necessary items such as controller, RTK ball, bipod, size-AA rechargeable batteries, and cable for external power source are included.



* Optional Smart Construction Retrofit

We provide the equivalent performance to existing GNSS surveying devices with outstanding cost-performance.

Feature 1

Provides the same degree of precision as other companies at an extremely low price.

While delivering the equivalent degree of precision as the standard GNSS surveying devices of other companies, our product attains competitive price in the Japanese market. High-precision positioning is possible by anyone, anytime, anywhere.



Feature 2

Survey by one person is possible with VRS*.

Since we use VRS (network-type RTK), which does not require a fixed station, high-precision positioning is possible using our product alone.

* VRS (Virtual Reference Station)



Feature 3

Various positioning methods and intuitive UI

Many positioning modes such as single-point positioning, reversed placing measurement, and survey line guidance are provided. One person can make high-precision measurements with simple operations on the tablet.

Feature 5

Functions to read background drawing DXF files and LandXML files

Locations of measuring points on the jobsite are easily identified because DXF and LandXML files can be read on the tablet.

Received signal	GPS L1C/A L2C, GLO, L10F L20F, GAL E1B/C E5b, BDS B1I B2I, QZSS L1C/A L2C
System	RTK 1.0 cm + 1 ppm (x baseline distance)
Update rate	1 Hz, 5 Hz, 10 Hz (location data)
Dimensions	110 mm (W) x 142 mm (H) x 40 mm (D)

Feature 4

Receiving GNSS correction data

You can acquire high-precision location information quickly, which improves productivity on site.

Feature 6

It can measure areas and line lengths.

You can measure the area between measuring points or lengths of lines on the tablet while on site.

Weight	341 g (only receiver body, without battery)
Protection grade for dust and water proofing	IP65 (when covered with the dedicated cap)
Operating temperature	-20 °C to 60 °C
Accessories	Tablet attachment, receiving antenna (AR270), storage box, connector cap (two types), power source data cable, antenna cable (1.2 m)

For questions about our products, services, and their introduction, please contact us.

Smart Construction Support
<https://support.smartconstruction.com>



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Inquiries