Aibot HP GNSS 2
Next generation precision

The Aibot HP GNSS 2 is the next generation of precision data collection instrument. Developed for demanding tasks in surveying, industrial inspections and the agriculture and forestry business. Use the centimetre accuracy of the Aibot HP GNSS 2 position data for exact georeferencing of your mission data. The robust work flow guarantees the best information and mission results.

TECHNICAL FEATURES

Diameter/height	240/60 mm (9,45/2,36 in)
Weight	370 g (+/-10 g), without SD card
Mount/interface	Aibot battery cover mount/AMIC
Operating conditions	-10 °C to 40 °C (-14 to 104 F°), <95% relative humidity
Protection	IP 42 (when mounted), overvoltage protection
Operating modes	RTK (NTRIP, base station), GNSS raw data recording
RTK operating radius	450 m (1476,38 ft.) (only operate with GNSS signal coverage)
RTK protocols	RTCM 3.0, 3.1
GNSS receiver	Dual-frequency GNSS receiver GPS + GLONASS, L1/L2
Update rate	20 Hz (position and measurement)
Horizontal accuracy	RTK 1 cm + 1 ppm (RMS), DGPS 40 cm, L1/L2 120 cm
Time to first fix	Cold/hot start (3D-fix) <50/35 sec.* RTK-fix typically <60 sec.*
Data recording	Novatel GNSS raw data format at 20 Hz 2GB industrial standard SD card
Conformity	CE

*Depending on internet connection quality and GNSS signal coverage

– make your business Fly

AIBOTIX

Centimetre accuracy

Georeferenced images with centimetre accuracy for surveying, as well as industrial inspection of power lines, wind turbines, dams and many more.

Compact case

The Aibot HP GNSS 2 is delivered in a ruggedised hardcase, providing more space for additional instruments. You can also select a SATEL satellite UHF modem to be part of the package.

Direct RTK workflow

Use correction data from a GNSS base station or NTRIP service to execute your mission with the Aibot HP GNSS 2. Simply finalise the mission with centimetre accuracy in AiProFlight.

GNSS post processing workflow

Execute your mission with the Aibot HP GNSS 2 and collect GNSS raw data. NovAtel GrafNav software blends data with GNSS reference data to generate centimetre accurate mission files for precise georeferencing in AiProFlight.

A TRADITION IN PRECISION