# S50Pro

207 mm

Size: 207 mm*84 mm*20mm
Weight: 360 g

84 mm

# Rugged

## Data Collector

## ANDROID-BASED GNSS DATA CONTROLLER

The α-GEO S50Pro is a professional GNSS data controller with smartphone capabilities, it has 5"sunlight-readable touch display and backlight keypad. Combined with integrated Bluetooth®, you are able to easily connect or control the GNSS receivers, enhancing efficiency and productivity in the field.

## Features

Android 8.1 Operating System

MIL-STD 810 G and IP67 Certified

5"Sunlight Readable Touch Display

13 MP Camera with Autofocus

Compact Design with Long Battery Life

## ULTRA-RELIABLE IN THE FIELD

The IP67 dust and water proof rating protects the S50Pro from most of harsh environments, and the 7000 mA Li-ion battery allows you work all day long for multiple surveying tasks. You will also benefit from its large capacity internal and up to 64 GB external storage. The integrated autofocusing camera helps you enhance job documentation by taking photos on site and sharing job information with your colleagues.

## DESIGNED FOR FLEXIBILITIES

SurPro field software available on the S50Pro controller ensures you efficient survey in the field, such as topographic survey, CAD, stakeout, COGO and more. Powered by Android 8.1 operating system, you can run other third-party Apps based on your specific requirements. The S50Pro is also a versatile handheld featuring various sensors, such as G-sensor, Barometer, Light-Sensor, NFC, Compass, Gyroscope etc.

# Specifications

## Overview

| | |
|---|---|
| CPU | 8 core 2.0GHz |
| System | Android 8.1 |
| RAM | 4GB |
| ROM | 64GB |
| Camera | rear camera 13MP; front camera 5MP |
| Screen | 5 Inch HD highlight screen |
| Resolution | 1280*720 |
| Touch | 5-point capacitive touch screen |
| Signal tracking | GPS + BDS + GLONASS |
| Sensors | Geomagnetic, acceleration, light sensing distance |
| Buttons | Alphanumeric keyboard + 2 column keys + 1 power key |

## Physica

| | |
|---|---|
| Size | 207*84*20 mm |
| Weight | 360g（Including battery） |
| Battery | 7000mAh, can work at least 15 hours (With BT, WIFI on) |
| Charge | PE fast charge, no more than 4 hours |
| TF | Support 128G extend TF card |
| Interface | USB-TypeC, support fast charge, support OTG |
| Working temperature | -30℃ ~ + 60℃ |
| Storage temperature | -40℃ ~ +80℃ |
| Waterproof & dustproof | IP67 |
| Shock and Vibration | MIL-STD 810 G standard, designed to survive a 1.5m drop onto concrete |

## Communications

| | |
|---|---|
| BT | BT4.1 BLE |
| Wi-Fi | IEEE 802.11 a/b/g/n  2.4G 5G |
| 4G | FDD-LTE B1/B3/B5/B7/B8 |
| | TDD-LTE B38/B39/B40/B41 |
| | TDSCDMA B34/B39 |
| | WCDMA B1/B2/B5/B8 |
| | GSM B2/B3/B5/B8 |
| | CDMA1x/CDMA2000 BC0/BC1 |
| RFID | ISO14443A/B，ISO15693，NFC：0~5cm |

## Included Accessories

| | |
|---|---|
| AC adapter | 1 |
| USB cable | 1 |
| Hand strap | 1 |
| Battery | 1 |
| Pen | 1 |