

210 mm



88 mm

**Size:** 210 mm\*88 mm\*28mm

**Weight:** < 520g

## Features

Android 6.0 Operating System

IP68 Certified

4.3" Sunlight Readable Touch Display

8 MP Camera with Autofocus

Compact Design with Long Battery Life

Dual SIM and Dual Standby

Integrated 4G, Bluetooth® and Wi-Fi

# R500 Data Collector

## ANDROID-BASED GNSS DATA CONTROLLER

The SinoGNSS R500 is a professional GNSS data controller with smartphone capabilities. Carry the R500 with GNSS receivers in the field, you are able to achieve survey workflow with seamless communication to the office. With 4.3" sunlight-readable touch display and backlight keypad, the R500 ensures you work smarter and faster at your fingertips.

## ULTRA-RELIABLE IN THE FIELD

The IP68 dust and water proof rating protects the R500 from most of harsh environments, and the 6500 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 autofocus camera helps you enhance job documentation by taking photos on site and sharing job information with your colleagues.

## ENHANCED CONNECTIVITY

The R500 is designed with Dual SIM and Dual Standby that is compatible with multiple cellular modules. Combined with integrated Bluetooth® and WIFI, you are able to easily connect or control ComNav Technology GNSS receivers, enhancing efficiency and productivity in the field.

## DESIGNED FOR FLEXIBILITIES

Survey Master field software available on the R500 controller ensures you efficient survey in the field, such as topographic survey, stakeout, COGO and more. Powered by Android 6.0 operating system, you can run other third-party Apps based on your specific requirements. The R500 is also a versatile handheld featuring various sensors, such as G-sensor, Barometer, Light-Sensor, NFC, Compass, Gyroscope etc.

**SinoGNSS**<sup>®</sup>  
By ComNav Technology Ltd.

# R500 Data Collector

R Series Data Collector

Ver.2020.11.30

## Overview

Android 6.0 operating system  
4.3" capacitive touch screen  
1.3 GHz processor  
White backlight keypad  
8 megapixel camera with autofocus  
High light Flash LED  
Dual SIM Dual Standby

## Communications

WLAN 802.11 a/b/g/n/ac

SIM 1	4G: FDD 1/3/7/20, TDD 38/39/40/41 3G: 1/2/5/8/34/39 2G: 2/3/5/8 CDMA: BCO
SIM 2	Support GSM850/900/1800/1900
Bluetooth	BT 4.0
USB	Micro USB, OTG
Built-in microphone	
Video Phone	

## Physical

Working time	>14 hours (with WIFI,3G and LCD on)
Standby time	720 hours
Working temperature	-10 °C to + 55 °C
Storage temperature	-30 °C to + 60 °C
Weight	<520 g with battery
IP68 standard dustproof and waterproof	
Shock	Designed to survive a 0.8 m drop onto concrete
Size	210 mm × 88 mm × 28 mm
Resolution	800×480

## Electrical

Li-battery capacity	6500 mAh
ROM	16 GB
RAM	2 GB
Extensible TF card, up to 64 GB	

## Sensors

G-sensor  
Barometer  
Light-Sensor  
NFC  
Noise Cancellation  
Proximity-Sensor  
Compass  
Gyroscope

## Included Accessories

AC adapter × 1  
USB cable × 1  
Hand strap × 1  
Battery × 1