

SOKKIA

MADE TO FIT YOUR WORLD.

SHC500

Field Controller





Production on the go

Put maximum processing power and mobility in your hands with the SHC500. With touchscreen technology similarly found with smartphones, the field controller has internal GPS and a sunlight-readable display that delivers in all elements.

Like all of our solutions, you can customize it to meet your needs and create your own workflows.

- Large sunlight-readable display
- MIL-STD 810G and IP68 certified
- 1 GHz processor
- 5 megapixel camera
- 3.5G cellular module (optional)
- Internal GPS 2-5 m accuracy

Handheld power

The Sokkia SHC500 field controller is designed to meet the demands of construction, mapping and survey professionals. It works with all Sokkia GPS receivers and total stations.

With internal GPS, a 5 megapixel camera, and the ability to run your choice of field software, the power is in your hands.

Ready for the field

The SHC500 includes a capacitive touch screen, similar to many smartphones. The display surface is also extremely scratch-resistant, and much more pierce-resistant to sharp objects as compared with other resistive displays.

Built to last

In addition to IP68 certification, which protects against dust and is waterproof up to one meter, the SHC500 is independently certified to MIL-STD 810G standard, and can operate in temperatures ranging from -30°C to 60°C.



Speed on demand

Windows Mobile® 6.5 provides a modern operating environment and added expandability with other software applications. The 1 GHz processor drives any field application software with ease.



Smart design

The SHC500's external ports are located at the base of the unit: USB Host, USB client micro, power, and audio. The USB is easily used in the field to quickly copy a large job, coordinate or DXF files to the SHC500. The DB9 serial port is perfect for older total stations that still require a cable.



Keep in focus

A 5 MP autofocus camera with LED flash comes as standard equipment. Store hundreds of photos on the built-in 8GB flash storage, and easily transfer them to a computer or USB stick.



Stay charged

Typical battery life is tested to 20 hours with excellent performance under extreme conditions. Recharging is fast, you can get a 50 percent charge in as little as an hour.



Specifications

| Hardware | |
|-------------------------------------|--|
| Processor | 1 GHz ARM Cortex A8 i.MX53 |
| Operating System | Microsoft® Windows Embedded Handheld 6.5 |
| Memory and Data Storage | 512MB RAM 8GB flash storage User accessible Micro SD/SDHC slot |
| Camera (Geo, Geo 3G) | 5 MP with autofocus and LED Flash with video capture |
| Power | 12/24 VDC power input jack Intelligent Li-Ion battery 3.6 VDC at 10,600 mAh |
| Communication | |
| Ports | COM1 RS-232C 9-pin D Connector with 5 VDC power output USB Host (Full A) USB Client (Micro) |
| Wireless Connectivity | Bluetooth® Wi-Fi 802.11 b/g/n |
| Cellular Connectivity (Geo 3G only) | Integrated Worldwide 800/850/900/1800/1900/2100 MHz UMTS/HSPA+ |

Standard kit components

- SHC500 field controller
- Battery and charger
- Hand strap
- Stylus
- International plug kit
- USB cable
- Screwdriver
- Quick start guide



Get connected

The optional internal cellular modem is capable of sending and receiving data to the cloud, making it easy to communicate with field crews when projects need to be changed.

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