



# STONEX S3 HANDHELD GIS

With GeoGIS software

## GPS receiver

Stonex S3 has an internal high sensitivity GPS module able to fix quickly the position in hostile environments such as forests or high-density urban centers.

It supports standard NMEA protocol and a proprietary binary format for GPS data output.

## Great platform for handheld applications

Working under Windows Mobile operating system, Stonex S3 is a powerful platform for mobile GIS, navigation and other applications requiring a compact field computer.

Windows Mobile 6.5 operating system includes standard software like Windows Mobile Office and e-mail, allowing a rapid exchange of data between an on field operator and the office.

## Multi-function

The integrated 3 megapixels digital camera provides detailed documentation of the condition of an asset, while the integrated GPS receiver records the asset's location.

Compatibility with high capacity micro SD cards enable storage of large quantity of data and background maps.

Integrated Bluetooth, GPRS and wireless LAN modules allow easy connection to networks and others equipment.

User experience is extended by connecting Stonex S3 to barcode scanner, RFID readers and portable printer via Bluetooth.

Thanks to the built-in gravity sensor, Stonex S3 generates a sound signal when it is falling out from your bag.

The 3,5 inches touch screen provides also good readability under intense sun light; in addition Stonex S3 is

waterproof/dustproof IP66 certified, as every field-proven equipment should be.

The long life removable and rechargeable battery allows data collection for a full working day, without the need for recharging.



Technical features	Stonex Handheld GIS	
<b>System</b>		
Operating system	Microsoft Windows Mobile 6.5	
CPU	600MHz	
<b>GPS</b>		
GPS type	20 channels, L1 frequency, C/A code	
Hot-start	1s	
Warm-start	35s	
Cold-start	42s	
Stand-alone accuracy	< 2.5 m (CEP, -130 dBm) <sup>1</sup>	
SBAS accuracy	2.0m <sup>2</sup>	
Velocity accuracy	<0.01 m/s (speed)	
Heading accuracy	<0.01°	
Time accuracy	1μs or less	
<b>Screen</b>		
Screen	3.5" QVGA TFT, sunlight - readable color touch screen	
Keyboard	sunlight visible	
<b>Data Communication</b>		
Storage	128MB SDRAM, 256MB NAND flash	
SD slot	Micro SD	
Port	Mini USB2.0	
Bluetooth	Bluetooth V2.0,EDR	
<b>Power</b>		
Battery	2800mAh Li-ion battery	
Working time	10h(typical <sup>3</sup> )	
External power	3.3V~5V	
Power consumption	0.5W	
<b>Physica</b>		
Dimension	179.5mm*91.2mm*31.5mm	
Weight	250g (Without battery)	
<b>Environment</b>		
Working temperature	-10°C -- +60°C	
Storage temperature	-30°C -- +70°C	
Shock	1.5m drops to concrete	
Waterproof/dustproof	IEC 529-IP66	
<b>Extension</b>		
Camera	3 megapixel	
Gravity sensor		
Cellular modem		
<b>Remark</b>		
<ol style="list-style-type: none"> <li>50% 24 hr static, -130 dBm. The actual accuracy depends on the quality of GPS signal and working environment;</li> <li>SBAS includes WAAS available in North America only, EGNOS available in Europe only, and MSAS available in Japan only.</li> <li>Typical working status means that GPS works in fixed mode, display backlight is set to be best suitable for out-field work. Key tone and keyboard backlight is off</li> </ol>		
<b>S3 standard configuration</b>		
Model	Description	Q'ty
S3 receiver	PDA+ GPS Unit	1
Battery	2800mAh battery	1
Charger	Battery charger	1
Cable	cable with USB port	1
Touching pen	Stylus	2
Plug	Charger adapter plug [ AU]	1
Plug	Charger adapter plug [ US]	1
Plug	Charger adapter plug [ EU]	1
Plug	Charger adapter plug [ UK]	1
Charger	Car battery charger	1
Antenna	External GPS antenna	1
<b>GeoGIS</b>		
<p><b>GeoGIS is a powerful software solution for GIS data collection with Windows Mobile GPS handheld.</b></p> <p>With GeoGIS data collection is reliable and easy to do, thanks to the support of raster and vector background maps.</p> <p><b>With GeoGIS you can:</b>                      Work anywhere, choosing the appropriate coordinate system among a complete set of international reference systems, or create your own local system to suit your fieldwork needs.                      Count on a user-friendly graphical interface which allows you to control all the fieldwork tasks.                      Adopt unified approach for different applications, collecting points, paths, surfaces to store your data.                      Collect data with the accuracy you need, thanks to real-time (RTK/SBAS) and post-processed differential corrections.                      Build, inspect and manage geographic database based on the collected data.                      Insert digital photos to enhance data using handheld integrated camera.                      Stake out all the assets in the field with ease and accuracy, even in hostile environments.                      Connect external rangefinder devices via Bluetooth technology to expand and improve data collection.                      Transfer field data straight to the office using Wireless/GPRS network connection.</p>		

