S320 GNSS Survey Receiver
Surveyor Tough

- **SMS Communication**
  Send and receive status messages via SMS

- **Internal Radio SS/UHF & GSM Cellular**
  Optional UHF 400 MHz or 900 Mhz internal radio eliminates the need for cables on both base and rover setups

- **Dual Bluetooth Ports**
  Connecting data collectors and or CDMA modem devices

- **Dual Hot-Swap Batteriers**
  Includes two lithium ion batteries, which provides more than 10 hours of battery life

- **2GB SD Memory Card**
  Removable SD card for data logging with powerful scripting capabilities

- **SureTrack™ Intelligence**
  Hemisphere GNSS’ SureTrack intelligence delivers superior RTK performance

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**The Complete Package**
Hemisphere GNSS supplies surveyors with the complete survey solution. Our survey kit comes with:

- **S320 base/rover combo**
- **GM200 Data Collector**
- **Geo Surveyor Mobile Software**
- **(2) battery chargers**
- **Hard case with accessories**
S320 GNSS Survey Receiver

GPS Receiver
Receiver Type: Multi Frequency GNSS
Positioning Modes: RTK, L-band DGNSS/HP/XP, SBAS, External RTCM, Autonomous
Channels: 270
RTK Formats: CMR, CMR+, RTCM3, ROX
OmniSTAR Formats: VBS, HP, XP, G2
Update Rate/Recording Interval: Selectable from 1, 2, 4, 5, 10 Hz (20 Hz available)
Performance
Static Performance: Horizontal 5 mm + 5.0 ppm
DGPS Performance: 0.3 m
Horizontal Accuracy:
RTK: 10 mm + 1 ppm
OmniSTAR HP: 0.1 m
SBAS (WAAS): 0.3 m
Autonomous, no SA: 1.2 m
Communication
Bluetooth: Dual Port
Radio and GSM Options: Integrated
1 x GSM/GPRS
1 x SS 900 MHz or UHF Range: 400 MHZ CDMA capable
User Interface
LED Display: 8 status LED’s
Buttons: On/Off, function select
Data Storage: Removable SD/SDHC card, USB flash drive
Ports
1 x Power Input (2-pin circular)
1 x RS232 (9-pin cirular, multi-use)
1 x RS232 (DSUB 9-pin)
1 x Radio Antenna Connector
Environmental
Operating Temperature: -30°C to +70°C (-22°F to +158°F)
Storage Temperature: -40°C to +85°C (-40°F to +185°F)
Humidity: Up to 100%
Enclosure: IP67, waterproof, dustproof
Shock: 2 m (6.56’) pole drop
Power
Battery: 2 x Li-ion 5.2 Ah total, 7.4V (10-hour hot swappable battery life)
External Voltage: 9 to 32 VDC
Mechanical
Dimensions: 114 mm H x 197 mm D
(4.49” H x 7.76” D)
Weight: 1.51 kg (3.33 lbs)
Material: Lexan™ EXL resin

* Depends on multipath environment, number of satellites in view, satellite geometry, baseline length (for local services) and ionospheric activity
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Authorized Distributor:

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