

# Champion PRO



## GPS

L1 C/A, L2E,  
L2C, L5



## Glonass

L1 C/A, L1 P, L2,  
L2C/A, L2P, L3



## Galileo

E1, E5A, E5B,  
E5AltBOC

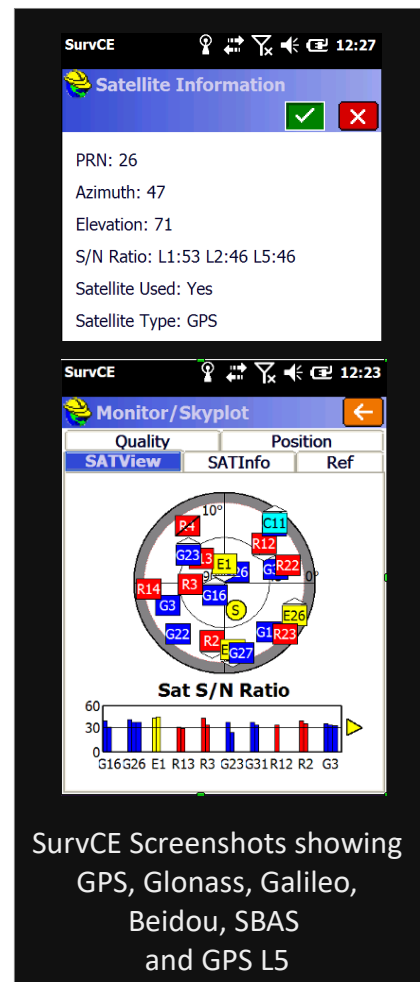


## Beidou

B1, B2

**The Champion Pro GNSS receiver is a one of a kind fully integrated receiver. Featuring a built in tilt sensor, UHF radio, GSM modem, and a GNSS board that receives all GNSS satellite signals, the Pro is the best receiver value on the market.**

Items	PRO Specs	
<b>Electrical</b>	Li-on Battery Capacity	3400 mAh/ 8.4 V
	Battery Life	Typical 4 hours in RTK Mode
	Int. UHF Base	3h
	Int. UHF Rover	5.4h
	Network Rover	5.5h
	External Power	12 ~ 36 VDC
	Auto Switch between battery & external power	
<b>Satellites</b>	USA - GPS	L1 C/A, L2E, L2C, L5
	Russia - Glonass	L1 C/A, L1 P, L2, L2C/A, L2P, L3
	China – Beidou	B1, B2
	European – Galileo	E1, E5A, E5B, E5AltBOC
	SBAS	WAAS, EGNOS, MSAS
<b>Communications</b>	1x UHF Antenna Port	
	1x 7-pin LEMO USB Port, for power supply, data download	
	1 x 7-pin LEMO serial port, for power supply & correction output	
	Integrated GSM/GPRS modem, supporting HSPA/HSPA+ network, 3.75G	
	<ul style="list-style-type: none"> <li>• WDCM 850/900/1700/1900/2100</li> <li>• EDGE/GPRS/GSM 850/ 900/1800/1900</li> </ul>	
	Multimode Bluetooth completely compatible with Android, Windows Mobile and Win 7/8/10 OS	
	Wi-Fi, 802.11 b/g/h supporting AP, 150m distance, 108 Mbps	
	Button: 1x Power Button, 1x FN Button	
	LED indicator: 1x Power, 1x SVs, 1x Corrections, 1x Wi-Fi, 1x Data Logging	
	Radio Modem	Internal UHF Rx/Tx: 430-473 Mhz
	Protocols	RTCM2.1, RTCM2.3, RTCM3.0, RTCM3.1, CMR, CMR+, SCMR input and output NMEA0183 output RINEX and HCN outputs for GNSS raw data NTRIP
Data Storage	32GHCN, RINEX 2.11, 3.02GPS device mounts as a USB external drive	
<b>Physical</b>	Size	127 x 127 x 84.6mm (5.0 x 5.0 x 3.3in)
	Weight	1.01 kg with battery (35.63 oz, 2.23 lbs)
	Operating Temperature	-40° C to +60° C (-40° F to 140° F)
	Storage Temperature	-40° C to 80° C (-40° F to 176° F)
	Humidity	100% condensation
	Waterproof & Dustproof	IP67- protected from temporary immersion to depth of 1 meter
	Shock	Survives a 2 meter drop onto concrete



SurvCE Screenshots showing GPS, Glonass, Galileo, Beidou, SBAS and GPS L5

### KEY FEATURES

- Can be used as a Base, Rover Static, RTK or RTN
- HTML Configuration
- BD930 GNSS Engine
- GPRS Modem
- Lightweight & Small Design
- Advanced GNSS Antenna
- Ability to store RINEX Files
- NTRIP Caster for Internet Base

### COMPATIBLE DATA COLLECTION

- Carlson SurvCE and SurvPC
- Microsurvey FieldGenius

