

## **BC-337 GPS Receiver**

### **with Compact Flash Interface**

The BC-337 is a GPS receiver with Compact Flash type I interface and it has a built-in high sensitivity antenna for tracking signal. Based on the SiRF star III high performance GPS Chipset with very high sensitivity (Tracking Sensitivity: -159 dBm), it has an extremely fast TTFF (Time To First Fix) capability at the low signal level. The BC-337 is well suited to system integration and users who use PDA or notebook PC. It satisfies a wide variety of applications, including car navigation, personal navigation of touring devices, tracking and marine navigation purposes. Users can simply plug it into a PDA or other type of handheld PC running with suitable mapping and routing software for navigation.



#### **BC-337 Features:**

1. SiRF Star III high performance and low power consumption chipset.
2. Support Standard NMEA 0183 command: GGA, GSA, GSV, RMC, GLL, VTG.
3. Optional external antenna.
4. Built-in active Antenna for high sensitivity to satellite acquisition.
5. LED indicator for GPS fix or not fix.



## BC-337 GPS Receiver *Specification :*

<b>Electrical Characteristics (Receiver)</b>	
Chipset	SiRF Star III
Frequency	L1, 1575.42 MHz
Channel	20 channels all-in-view tracking
<b>Accuracy</b>	
Position Accuracy	10 meters, 2D RMS,(No SA) 5 meters 2D RMS, (WAAS enabled)
<b>Datum</b>	
Datum	WGS-84
<b>Acquisition Rate</b>	
Reacquisition Time	0.1 sec.average
Hot start	1 sec.average
Warm start	38 sec.average
Cold start	42 sec.average
<b>Dynamic Condition</b>	
Maximum Altitude	18,000 meters (60,000 feet) max.
Maximum Velocity	515 meter/sec. (1,000 knots) max.
<b>Power</b>	
Voltage	DC 3.3V $\pm$ 10%
Power consumption	90mA
<b>Physical Characteristics</b>	
Antenna Type	Built in antenna
External Antenna Interface	MMCX(Optional)
Main Unit Interface	Compact Flash Type I
Dimension	83mm x 42.8mm x 13.3mm
LED Indicator (blinking light)	GPS fix status (GPS is fixed,solid light : GPS is not fixed)
<b>Protocol</b>	
GPS output data	NMEA 0183 protocol,supports command GGA(1sec),GSA(1sec), GSV(5sec),RMC(1sec),(VTG and GLL are optional)
Baud Rate	4800 bps,N,8,1
<b>Temperature</b>	
Operating Temperature	-10°C to + 70°C
Storage Temperature	-40°C to + 85°C
Operation Humidity	95%,Non-Condensing

× The specification is subject to modification