## **RS232 GPS RECEIVER** BR-304

## **Product Feature**

- "SiRF Star  $\, {\rm I\hspace{-.1em}I}\, / LP$ " high performance and low power consumption chipset
- Supported NMEA 0183 command: GGA, GSA, GSV, RMC, GLL, VTG
- Build-in SuperCap to reserve system data for rapid satellite acquisition.
- All-in-view 12-channel parallel processing
- Built-in active antenna
- High sensitivity to satellite signal
- Cold start under 45 seconds, average
- Superior urban canyon performance
- FoliageLock for weak signal tracking
- Super-cohesive magnetic for mounting on the car
- LED indicator for GPS fix or not fix

LED OFF: Receiver switch off

LED ON:

No Fixed, Signal searching

LED Flashing: Position Fixed

- Non-slip on the bottom
- RS232 interface connection port



RS232 GPS Receiver

## System Specification

Electrical Characteristics (Receiver)	11 1575 10 101
Frequency C/A Code	L1, 1575.42 MHz 1.023 MHz chip rate
Channels	12
Sensitivity	-170 dBW
Accuracy	Control of the Contro
Position Horizontal	15m 2D RMS (SA off)
Velocity	0.1m/sec 95% (SA off),
Time WAAS enabled	1 micro-second synchronized to GPS time 10m 2D RMS
Datum	TOTAL ZU RIVIS
Datum	WGS-84
Acquisition Rate	Experience of the May Constant of the Association of the Constant of the Const
Hot start	8 sec., average (with ephemeris and almanac valid)
Warm start Cold start	38 sec., average (with almanac but not enhances)
Reacquisition	45 sec., average (neither almanac nor ephemeris)
Protocol	0.1 sec. average (interruption recovery time)
GPS Protocol	Default: NMEA 0183 (Secondary: SiRF binary)
GPS Output Data	SIRF binary >> position, velocity, altitude, status and
	control NMEA 0183 protocol, and supports command
	GGA, GSA, GSV, RMC, VTG, GLL v2.2 (VTG and GLL ar
GPS transfer rate	optional)
	Software command setting (Default : 4800,n,8,1 for NMEA )
Dynamic Condition	PROPERTY OF THE PROPERTY OF TH
Acceleration Limit	Less than 4g
Altitude Limit	18,000 meters (60,000 feet) max.
Velocity Limit  Jerk Limit	515 meters/sec. (1,000 knots) max.
emperature	20 m/sec**3
Operating	-30°~ 80°C
Storage	-40°~ 85°C
Power Humidity	Up to 95% non-condensing
	Marie Constitution of the
Voltage Current	5V ±5%
hysical Characteristics	90mA typical
Dimension	2.32" x 1.85" x 0.82" (59mm x 47mm x 21mm)
ow Noise Amp	65"
	White the second
Amplifier Gain w/out cable Filtering	27 dB Typical
Output VSWR	-25dB (+100 MHz) 2.0 Max
Voltage	DC 3 ~ 5.0V
Current	15mA max.@5VDC
ue to continuous product improvements, all	