PRODUCT SPECIFICATION RS232 GPS RECEIVER BR355



Product Feature

- "SiRF Star " high performance and low power consumption chipset
- All-in-view 20-channel parallel processing
- Built-in patch antenna
- Very high sensitivity (Tracking Sensitivity: -159 dBm)
- Extremely fast TTFF (Time To First Fix) at low signal level
- Superior urban canyon performance
- Build-in SuperCap to reserve system data for rapid satellite acquisition.
- Support NMEA 0183 data protocol
- · Super-cohesive magnetic for mounting on the car
- · Water resisted and non-slip on the bottom
- LED indicator for GPS fix or not fix

LEDOFF:	Receiver switch off
LED ON:	No fixed, Signal searching
LED Flashing:	Position Fixed

RS232 interface with PS2 connector

System Specification

Electrical Characteristics (Receiver)	
Frequency C/A Code Channels Sensitivity	L1, 1575.42 MHz 1.023 MHz chip rate 20 channel all-in-view tracking -159 dBm
Accuracy	-169 0011
Position Horizontal Velocity Time WAAS enabled	10m 2D RMS (SA off) 0.1m/sec 95% (SA off), 1 micro-second synchronized to GPS time 5m 2D RMS
Datum	WGS-84
Acquisition Rate	100001
Hot start Warm start Cold start Reacquisition	1 sec., average (with ephemeris and almanac valid) 38 sec., average (with almanac but not ephemeris) 42 sec., average (nither almanac nor ephemeris) 0.1 sec. average (interruption recovery time)
Protocol GPS Protocol	Default: NMEA 0183 (Secondary: SiRF binary)
GPS Output Data GPS transfer rate	SIRE binary >> position, velocity, altitude, status and control ; NMEA 0183 protocol supports command: GGA, GSA, GSV, RMC, VTG, GLL (VTG and GLL are optional) Software command setting (Default : 4800,n,8,1 for NMEA)
Dynamic Condition Acceleration Limit	Environmental Anno 1
Acceleration Limit Altitude Limit Velocity Limit Jerk Limit	Less than 4g 18,000 meters (60,000 feet) max. 515 meters/sec. (1,000 knots) max. 20 m/sec**3
Temperature	100 0500
Operating Storage Humidity	-40°~ 85°C -40°~ 85°C Up to 95% non-condensing
Power Voltage	4.5V~6.5V
Current	80mA typical (Continuous mode)
Physical Characteristics	
Dimension	53mm diameter , 19.2mm height

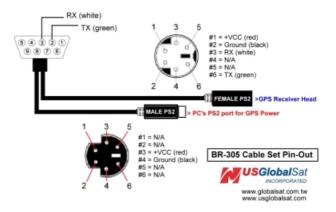
Cable Length 65"

65"

Interface cable for RS232 and power connections

- GPS : 6 pole female miniDIN (PS2 type)
- PC : 9 pole female D-SUB
- POWER: 6 pole male miniDIN (PS2 type)

Connections shown on drawing below



Vcc range: 4.5 to 6.5V