



BluePrint Industries Pty Ltd
3/3 LaFayette Blvd Bibra Lake
1300-896-247



BU-353S4 Cable GPS with USB interface (SiRF Star IV)

Specifications:

GPS Chipset : SiRF STAR IV GSD4e
Frequency : L1, 1575.42 MHZ
C/A Code : 1.023 MHz chip rate
Channels : 48
Sensitivity : -163dBm

Accuracy

Position Horizontal : <2.5m 2D RMS SBAS
Enable
Velocity : 0.1m/sec 95% (SA off),
Time : 1 micro-second synchronized to GPS
time
WAAS : Enabled for North America product s
(USGlobalSat, Inc)

Datum

Datum : WGS-84

Acquisition Rate

Hot start : 8 sec., average
Warm start : 35 sec., average
Cold start : 35 sec., average
Reacquisition : 0.1 sec. average

Protocol

GPS Protocol Default :
NMEA 0183 (Secondary: SiRF binary)
SiRF binary >> position, velocity, altitude,
status and control
NMEA 0183 MEA0183 V3.0 protocol, and
supports

GPS Output Data : command GGA, GSA, GSV,
RMC, VTG, GLL v2.2 (VTG and GLL are
optional)

GPS transfer rate : Software command setting
(Default : 4800,n,8,1 for NMEA)

Dynamic Condition

Acceleration : Limit Less than 4g
Altitude Limit : 18,000 meters (60,000 feet)
max.

Velocity Limit : 515 meters/sec. (1,000 knots)
max.

Jerk Limit : 20 m/sec**3

Temperature

Operating : -40°~ 80°C
Storage : -40°~ 85°C
Humidity : Up to 95% non-condensing

Power

Voltage : 5V ±5%
Current : 60mA typical

Physical Characteristics

Dimension : 2.32" x 1.65" x 0.82" (59mm x
47mm x 21mm)
USB Cable Length : 60" (152 cm)

Low Noise Amp

Amplifier Gain w/out cable : 27 dB Typical
Filtering : -25dB (+100 MHz)
Output VSWR : 2.0 Max.
Voltage : DC 3 ~ 5.0V
Current : 15mA max @ 5VDC



What's in the Box?

GPS Antenna
Windscreen Suction Cup
Driver Disk.