

Bluetooth GPS Speed Camera



UBS-100

Key Functions & Features

- Bluetooth GPS receiver and speed camera reminder all in one
 - Speed camera and speeding voice reminder
 - Speed camera data base (POI: Point of Interest) upload/download via mini USB
 - Customize data base with user utility software
 - Optional Flash memory 4 MBytes/8 MBytes/16 Mbytes
 - Motion sensor for auto power saving mode: auto power on/off when the device is moving/motionless.
 - Power mode setting: GPS on only or bluetooth and GPS both on
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- Support Speaker Sound, LED indications
 - Ultra low power consumption, up to 22hours of continuous use with battery fully charged
 - Rechargeable 1100mA Li-ion battery with the original made-in-Japan battery cells
 - Cold/warm/hot start (42/38/3~6 seconds)
 - 16 channels "All-in-View" tracking.
 - Compatible with bluetooth enabled devices with Serial Port Profile (SPP)
 - High sensitivity: -152dbm
 - Build-in High Gain antenna
 - Data format: longitude, latitude, speed , UTC
 - GPS trace interval time setting from 1sec ~ 30 minutes
 - GPS Trace data by distance interval 2~65535 meters

Power Consumption for Different Power Setting Mode

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Mode	Status	Max.	Min.	Avg.
GPS+BT	BT connecting	89.1mA	42.9mA	50.4mA
GPS+BT	BT disconnecting	67.3mA	42.2mA	46.1mA
GPS only	GPS connecting	45.8mA	40.2mA	41.1mA
GPS only	GPS disconnecting	43.8mA	38.2mA	39.1mA
Auto power saving	Power off	0.42mA	0.41mA	0.41mA

Specifications

<p>General</p> <p>GPS Chip NEMERIX GPS Module</p> <p>Frequency L1, 1575.42MHz</p> <p>C/A Code 1.023MHz chip rate</p> <p>Channels 16 CH all in view tracking</p> <p>Internal Antenna Built-in low noise</p> <p>I/O External antenna port MMCX Mini.USB 1.1/2.0(12Mb)</p> <p>Audio Output Speaker: 1Watt / 8 ohm</p> <p>LED: bluetooth, GPS, power status</p> <p>Acquisition Rate</p> <p>Cold Start 45 sec, average</p> <p>Warm Start 35 sec, average</p> <p>Hot Start 5 sec, average</p> <p>Reacquisition 1 sec, average</p> <p>Power</p> <p>Built-in rechargeable 1100 mAh Li-ion battery</p> <p>5 V DC input</p> <p>Operation Current 45 mA (Typical)</p> <p>Operation Time 22 hrs, fully charged</p> <p>Charging time 3 hrs. (Typical)</p> <p>Environmental</p> <p>Operating Temperature - 20 °C to + 60 °C</p>	<p>Accuracy</p> <p>Position 3meters CEP (50%), without SA (Horizontal) 7 meters (90%)</p> <p>Velocity 0.1 m/sec. without SA</p> <p>Time ±100 ns synchronized to GPS time</p> <p>Datum</p> <p>WGS-84 (or by demanded)</p> <p>Sensitivity</p> <p>To – 152 dBm</p> <p>Dynamic Conditions</p> <p>Altitude <18,000m</p> <p>Velocity <515m/sec</p> <p>Acceleration <4g</p> <p>Motional Jerk 20 m/sec.</p> <p>Interface</p> <p><u>Communication Protocol</u></p> <p>Communicate with host platform via Bluetooth (class 2) serial port profile Bluetooth communication distance 10 M. TYP.</p> <p><u>GPS Protocol</u></p> <p>NMEA-0183 (V3.01) – GGA(1), GSA(3), GSV(3), RMC(1),VTG(1), Baud rate 38400 bps, Data bit: 8, stop bit : 1(Default) *</p> <p>* (1):1sec output 1msg , (3): 3sec output 1msg</p>
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Relative Humidity 5% to 90%
non-condensing

Accessories

Car charger (12V in, 5V output)

AC adaptor (5.3V output, 500ma)

Device Size

Dimension: 76 (L) X 46 (W) X 20 (H) mm

Weight: 50g (without battery)

UI Function

