

# GeoRadius 5010 VEHICLE TRACKING SYSTEM

## Product Highlights

- High-Sensitivity GPS Receiver
- Real-Time Time and Distance Tracking
- Time/Distance Reporting Interval
- TCP/IP Connection
- 30,000 GPS Data Logs
- SMS and Voice Communications
- Alert Notification
- Remote Configuration
- Watchdog Timer with self diagnostic
- Vehicle Immobilization Control
- Speed Management : Speed logging and analysis
- Time Management : Distance traveled logging & analysis  
Stoppage time / Idling time Logging and Analysis  
Route Analysis
- Location Management : Location Logging (GPS) and time stamping  
Live Location Monitoring
- Communication : 2 Way Voice communication between driver and base station
- Optional Add-Ons : 4 line LCD display terminal, oil tank sensor, handset, hands free speaker phone, camera, panic button.



The device can send emergency, over speed, power supply tampering, Geo-fence violation and stolen alarm to server automatically.

Device can be set to report on the basis of either time or distance. When emergency alarm is working, server can dial to the device and monitor voice.

Active immobilizer - The immobilizer shuts off the engine when the car speed is less than 5 Mph after receiving command from system server.

The device can be connected with camera which sends image(320 x 240) every 20 seconds to system server by command.

## Industrial Applications

- Taxi Management System
- Trucks & Logistics Management System
- Anti-Theft Security Management System
- Asset Management System
- Dispatch Management System
- Navigation System

Specifications subject to change without notice

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## Technical Specifications At A Glance

### Physical Specifications

- 88 mm (L) x 62.5 mm (W) x 32.5 mm (H)
- Weight: 0.26 Kg(Net), 0.98 Kg(Gross)
- Casing: Aluminium Alloy

### Performance Specifications

- Working Voltage: 8 VDC ~ 36 VDC
- Working: Average - 110mA @ DC 12V  
Sleeping - <50mA @ DC 12V

### System Control Specifications

- LED Status Indicator
- Watchdog Timer

### Communication & Interface Ports

- 5 x Analog Inputs
- 1 x Digital Input
- 1 x Immobilizer Relay

- 4 x Analog Output for relay control
- 1 x Digital Output
- 2 x RS232 Port

### GPS Receiver Performance

- Receiver Module: 12 Channels
- Accuracy: 15 m CEP without SA
- Start Time: Hot: 8 sec/ Warm: 38 sec/Cold: 48 sec
- Antenna: GPS SMA connection, - 26dB.  
GSM SMA connection, - 3dB.

### GSM/GPRS Module Performance

- Dual-Band 900 MHz, 1800 MHz
- 2 Watts EGSM (GSM900 Class 4)
- 1 Watt GSM1800 (DCS1800 Class 1)
- GPRS class 10
- Audio support (with echo-cancellation and noise reduction)

## Environmental Specifications

### Operating Temperature

- -20°C ~ 60°C

### Storage Temperature

- -40°C ~ 85°C

### Working Humidity

- 5% ~ 95% RH

## Add-Ons



Handset Mobile  
Phone



Panic Button



Remote



Camera



Hands Free Speaker



Oil Sensor

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