EBR Consulting
Track. Monitor. Save!

Vehicle Tracking - 6200

commercial vehicle productivity and security

The EBR 6200 is designed for commercial vehicle applications that require location based services including productivity and security. It is ideally suited for installations in delivery and service fleets, public safety, mass transportation, utility, and construction vehicles.

Fleet management functions include zone and speed monitoring in addition to basic location, archived bread-crumb trails, and real-time tracking. Using the commercial mobile monitoring portal, any or all vehicles in a fleet may be tracked simultaneously and various activity reports can be generated.

Security features include vehicle theft detection and recovery as well as the ability to remotely monitor and control vehicle functions such as alarm systems, door unlock, ignition disable, etc.

features and benefits

features	benefits
Single point locate	• Low cost usage as needed
Continuous tracking	• Provides real-time moving location to assist in vehicle recovery
Route logs	• Archive records of vehicle movements
Zone notifications	• Receive notifications upon entering or exiting zones defined via the web interface – up to 5 zones monitored simultaneously
Speed notifications	• Receive notifications upon crossing speed thresholds – 2 speed thresholds can be set
Arm where parked	• Automatically establish a secure perimeter around vehicle wherever it is parked
Panic button / alarm system input	• Alerts appropriate personnel that immediate assistance is required
2 Auxiliary system monitoring inputs	• Remotely monitor any system that can indicate its status via a voltage change
2 Outputs – configure as toggle or pulse	• Remotely control vehicle functions such as door unlock, ignition disable, etc.
Communications via GPRS packet switched wireless data networks	• Provides nationwide coverage on modern digital wireless networks • Provides high-speed, high-volume, cost-effective tracking
LED status indicators	• Assists with installation and troubleshooting

specifications

Location Technology
- GPS:12 channel, SiRF Star II, LP
- Frequency: L1(1575.42 MHz)
- Reference: TCXO
- C/A code: 1.023 MHz chop
- GPS Datum: WGS-84
- Accuracy:
  > 25 meters CEP 50%
  > DGPS 1 ~ 15 meters typical
  > Velocity 0.05m/s typical
- Snap start: <3 sec. avg.
- Hot start : <8 sec. avg.
- Warm start: <38 sec. avg.
- Cold start: <45 sec. avg.

Wireless
- Network: GSM/GPRS
- Frequencies: 850/1800/1900 MHz
- Data rate: up to 85.6 Kbps

Antennas
- Combined GPS/GSM: External

Memory
- Flash: 16 Mb

Power source:
- Voltage range: 10.8 to 31.2VDC
- Primary source: Vehicle battery
- Backup battery: External Li-Ion supported (internal Li-Ion charger)

Current draw:
- Maximum surge: 2 A
- Transmit: 260 mA
- Stand-by: 95 mA

Mechanical/Environmental
- Temperature range: -40 to +85°C operating (active heating and cooling element)
- Vibration: >500Hz random, 1.25G rms
- Humidity: 5%~95% non-condensing @+40°C
- Size: 58mm x 88mm x 22mm
- Weight: 200 g
- Housing: Fully shielded

applications of mobile monitoring
- improve productivity of mobile staff
- improve customer service
- prevent misuse of company resources during and after work hours
- recover stolen or misplaced vehicles
- provide monitored security for drivers

who is using mobile monitoring
- delivery/courier fleets
- contractors/installers
- utility trucks
- emergency response vehicles
- government
- outside sales
- leased/rental vehicles