

Panther Tracking Console: Overview

Real Time View

Panther Tracking fleet tracking software allows fleet operators to view the positions of all tracked vehicles in near-real-time.



Mixed Fleets

Several types of tracking devices are supported: Fleet operators can mix and match tracking devices to suit their needs. Take advantage of low cost cellular technology for vehicles operating within cellular coverage or install satellite-based devices for vehicles operating in remote locations. Panther Tracking simplifies managing mixed fleets.

Single PC or LAN Options

The software can be configured to run independently on a single Windows PC or on a network of PCs that share a common database (such as Microsoft SQL Server).

Trip playback

Display a vehicle's activity on the map and in text format for any specified timeframe.



Event Overlay

Optionally display events such as "Overspeed" on the map.

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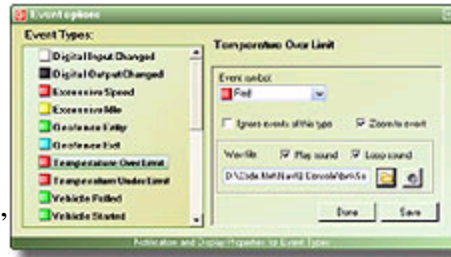


Custom Reporting

Using Panther Tracking “Hybrid-Web” technology, new reports can be created and made available without requiring a software update.



Over 20 pre-defined events are currently supported by Panther Tracking . New events are added automatically as the capabilities of tracking devices are expanded. Each Panther Tracking user may configure the software to behave differently for each type of event. For critical events, loop an alarm WAV file continuously until the event is acknowledged. For less important events, the user may opt to briefly play a non-intrusive chime; or simply ignore the event altogether.



Email Notification

Events may optionally be sent to a customer’s email address (including cell phone and pager email addresses



Remote Configuration

Change most device configuration parameters over the air! Users that are assigned permission to modify device settings may use Panther Tracking to make changes to a device remotely.

Hybrid-Web Design

Panther Tracking uses a “best of both worlds” approach for device configuration and other modules that are subject to change occasionally. Device settings are displayed in a web-browser window which retrieves current device settings from the Panther Tracking servers. This approach greatly simplifies the addition of new features to the software and guarantees that each user is presented with current information.

Vehicle Properties

Clicking a vehicle in the main vehicle list will display the current vehicle properties. This is an “at a glance” display of speed, compass heading, location, and status of the vehicle.



Temperature Reporting

Panther Tracking supports temperature sensing devices! When installed on a vehicle, the primary temperature sensor value (Zone 1) is displayed in the vehicle properties window. This is useful for monitoring the temperature of refrigerated vehicles or engine temperatures.

Graphic Compass

On the map, a vehicle is displayed as traveling either East (facing right) or West (facing left). The graphic compass in the vehicle properties window will display the actual compass heading of the vehicle. If the vehicle is stopped or does not have a valid GPS fix, the compass needle will be replaced by a red “X”.

Geofence Overview

A geofence is a geographic region on a map that generates an event when a vehicle enters or exits the region. A new geofence is created by drawing it on the map as a rectangle, circle, or polygon. If the target device supports internal geofencing, the fence coordinates are automatically sent to the device over the air. Otherwise, the geofence is stored and monitored by the Panther Tracking server. Internal geofencing by the device is usually desirable but can be tedious to configure.

Panther Tracking’s geofence editor handles this process in a few mouse clicks.



Geofence Cloning

Setting up geofences for multiple devices can be a chore in other fleet tracking systems. Panther Tracking simplifies this task with its innovative geofence “cloning” feature. Cloned geofences are displayed with blue borders (instead of green), so it’s easy to spot geofences that are shared by multiple devices.

Find An Address

Panther Tracking provides an address lookup function that can be used alone or in conjunction with “Find closest vehicle” and “Route vehicle” functions. Possible matches can be previewed on the map by selecting it from the list of matches.

Display Closest Vehicles

Once an address has been located, the “Find closest vehicle” function displays a list of vehicles sorted by distance (closest vehicles first).

Route Vehicle

Panther Tracking can draw a preferred route to the target destination for a selected vehicle from its current location and optionally include turn-by-turn driving instructions

High Priority Monitoring

It’s often critical to follow a vehicle very closely as it moves along on the map. Rapid Tracking instructs a vehicle to begin reporting at its fastest reporting interval through a quick and easy two-click process.

Multiple vehicles may be placed in Rapid Tracking mode at once. The vehicle positions are updated every few seconds and the map is re-centered and zoomed to include all vehicles in Rapid Tracking mode.

For vehicles placed in this mode, the normal vehicle icons are temporarily replaced with arrows indicating current direction of travel. Vehicle list symbology is also altered for these devices, allowing users to easily identify tracked vehicles. When any vehicle is placed in Rapid Tracking mode, all users with permission to view that vehicle will see its effects on their screens.



User-defined Status

Panther Tracking allows fleet operators to create status codes that are pertinent to their business. Status codes can be assigned to a vehicle through a popup menu in the vehicle list. Users may assign a color to each status for use in the vehicle list and map.



Vehicle Grouping

User-defined grouping allows the fleet operator to create custom groups and assign vehicles to those groups. Groups can be expanded and collapsed to simplify working with a large vehicle list. The user may optionally specify that only expanded groups are displayed on the map to reduce icon clutter.

Custom Icons

Panther Tracking can be further customized by creating new map icons depicting certain types of vehicles. A handful of icon sets are provided to cover the most commonly requested vehicle types

Centralized Storage

Custom status codes, groups, and icons are tracked on the Panther Tracking server. These follow the user regardless of the PC being used. These settings also “carry over” to the web-based version of Panther Tracking.

Database Agnostic

Panther Tracking ships with a pre-built Microsoft Access database that contains information that you may be able to use in a variety of ways. However, Panther Tracking is capable of retrieving and storing its information in many other modern database systems as well. Examples are SQL Server, Oracle, and MySQL— any ODBC or ADO compliant database. Great care was taken in the development of Panther Tracking to avoid using database commands specific to a particular system.

Panther Tracking .Net Data Service

You don't necessarily need to use Panther Tracking to obtain your vehicle data! Customers seeking to integrate vehicle location data with other systems will want to read the document entitled “Panther Tracking Data Services for Integrators”. In a nutshell, NavIQ data and over-the-air commands can be accessed directly through the Panther Tracking .Net web service. The service supports XML data transfer via SOAP. If these are just acronyms to you, check with your in-house programmers or IT staff and they'll tell you this is powerful stuff. In fact, Panther Tracking itself uses this service for all its communications. If you need a system that can grow as you grow, the smart choice is...