



# SafeNav™ POWERED BY GARMIN™

## Airport Vehicle Navigation & Runway Incursion Avoidance System

SafeNav™ is an on-vehicle GPS-based navigation and alert system designed to provide airport vehicle operators with real-time situational awareness—regardless of external conditions—to help avoid runway incursions.

I.D. Systems and Garmin have teamed together to introduce this innovative airport safety product in response to the airport safety priorities of the National Transportation Safety Board (NTSB) and the Federal Aviation Administration (FAA).

The National Transportation Safety Board (NTSB) has placed runway incursions on its “Most Wanted” List of transportation safety improvements.

The FAA emphasizes that special attention should be given to airside vehicle operations during low visibility conditions; such as rain, snow, and fog, which may obscure airport markings and diminish vehicle operator’s situational awareness.



**Every vehicle operating on or around runways should have SafeNav**

### SafeNav features:

- Records downloadable runway incursion detail: date, time, and location for post-incident analysis
- Real-time tracking of vehicle location on the airport via a 4.3-inch, touch screen display
- Built-in moving maps of over 980 U.S. airports using Garmin’s SafeTaxi® database
- Risk-weighted color coding and audible alarming to alert airport vehicle operators of potential runway incursions
- Maps display taxiways with identifying letters/numbers, runway incursion “Hot Spots”, and airport landmarks including ramps, buildings, control towers, and other prominent features
- Electronic bread crumb trails display vehicle path of travel

### SafeNav supports many of the FAA’s “Best Practices for Airfield Safety”:

- Provide current airport diagrams for use in airside vehicles
- Train vehicle drivers where to look for airport traffic when pilots and the control tower are silent
- Improve airport safety by enhancing situational awareness
- Ensure that personnel with access to vehicles in the airport area of operations (AOA) have appropriate authorization and driver training

*SafeNav not only aids experienced drivers at night and during periods of low visibility, it also serves as a critical safety tool for new or transient vehicle operators who are unfamiliar with the airport’s taxiways and runways.*