What it is

AI-Enabled Alerts are machine learning features on Raven built to identify potential risks while driving. Raven monitors the driver and the camera view, looking continuously for behaviour changes while the vehicle is being driven. Cabin-facing Cellphone Detection and Camera Obstruction alerts are currently available, with others, including road-facing detections, soon to follow.

How it works

Raven's cabin camera monitors in-vehicle behaviour, tracking the driver's motion and other scenery changes frame-by-frame. At the same time, the internal processors concurrently detect real-time cellphone usage and camera obstruction. After five instances of the detection occur within five seconds, a small toast widget appears on the right side of Raven's screen and beeps, alerting the driver. Simultaneously, an alert is captured via the Raven Cloud, notifying users of the Raven Apps. The vehicle must be in motion, travelling 6 mph (10 km/h) to receive an alert.
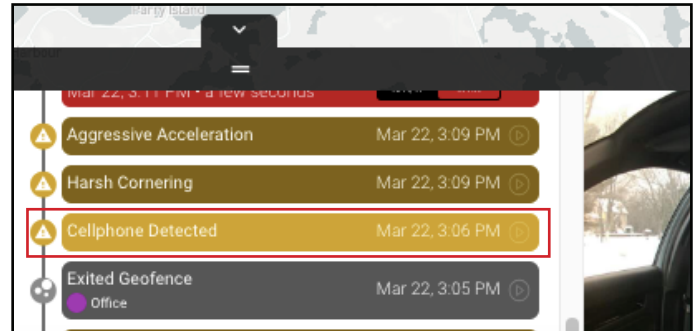
Toast widgets

Camera Obscured   **Cellphone Detected**

Widgets as they appear on the Raven device screen.

How AI-Enabled Alerts appear in the Web App.

How to use it

By default, AI-Enabled Alerts are disabled. To enable the feature and start capturing instances:

1. From the Raven Web App, click on the settings tab.
2. Scroll down to the Events drop-down and click to expand. Scroll to find the Cellphone Detection and Camera Obscured sections.
3. Toggle on to enable the feature(s).
4. Drivers will begin receiving warnings, and Events will populate in the Events Stack, along with the trip timelines and in Event Review.

Learn about reports with a step-by-step video.