



MOVE AWAY SAFELY,
YOU ARE IN A HAZARDOUS AREA



Intelligent A.I. Pedestrian Recognition and Warning System



Sentinel Vision AI is the smart way to detect pedestrians operating in the hazardous blind spots around mobile plant.

More reliable than human spotters, Sentinel Vision AI continuously monitors customisable 'detection zones' in the immediate vicinity of any moving plant and warns operators when it detects pedestrians.

Most importantly, it only detects pedestrians and can't be triggered by other objects.

A combination of in-cabin alarms and external siren and voice alarm alert both operator and pedestrian to the immediate danger, giving operators time to stop the vehicle and allowing pedestrians to move safely away.

Sentinel Vision AI's detection zones are fully configurable to any shape up to 8m* (*long range camera up to 16m**) from the vehicle. The system provides reliable detection for the harsh Australian conditions.

Best of all, it can be retrofit to any kind of vehicle or machinery and is the perfect pedestrian detection monitoring solution for operators of loaders, forklifts, excavators, garbage trucks, and any other mobile plant.

* Depending on Environmental Complexity, Lighting Conditions, Camera Location



Designed & made in Australia, with local support, national installers and local engineering.

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SUPERIOR SAFETY PERFORMANCE

- Safeguard pedestrian exclusion zones and reduce incidents, accidents and injury
- Change behaviour, making pedestrians less likely to re-enter an exclusion zone
- Reliable monitoring provides early warning, alerting vehicle operators to danger
- In-cabin alarms and monitors prompt operators to stop and check incidents
- External voice alarms alert all pedestrians who enter hazardous areas, prompting them to move to a safe area
- 24/7 vigilance is safer and more reliable than human spotters.

EXTENSIVE FEATURES

Internal and External Visual and Audible Alarms – internally a screen shows which zone the person is in (front/rear or left/right) and a cabin buzzer signals activity. Externally both a flashing light and siren support a talking voice alarm which says 'Move away safely you are in a hazardous area'.

Ruggedised Hardware – extensive experience with mobile plant across diverse industries means that our systems are built to be robust. Our products feature industry standard screens and plc designed specifically for mobile plant.

Fault Detection – camera faults, alarm faults and system faults are all detected, and the operator alerted. These are also logged.

Integrated Solutions – Sentinel Vision AI is integrated with the signal system of each machine that it is installed in. We use either a single or multiple triggers to activate alarms (e.g. reverse/park brake/in gear etc.) which limits detections so that they only happen at a time when incidents are possible, which reduces false alarms. Our clients' vehicles include Loaders, Bulldozers, Compactors, Forklifts, Material Handlers and Excavators, Graders, Telehandlers and more.

Customized Detection Zones – can be calibrated to suit any application. Target specific high risk areas around machines such as the rear area of loaders, skid steers and forklifts, without causing nuisance alarms. On excavators, more cameras enable 270° coverage of the machine's rear and blind sides.

Prestarts – allow operators to test system functionality. Results are logged and accessible via wifi or cloud datalogging.

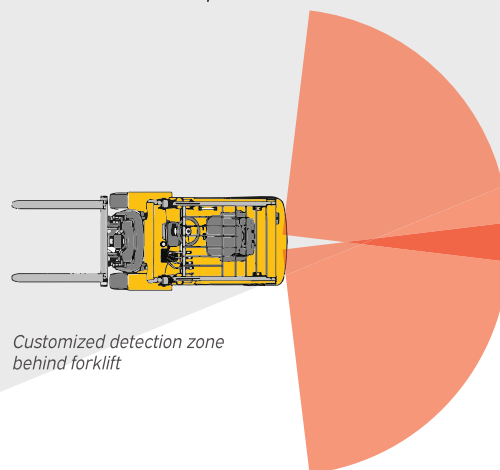
NEW Datalogging – record videos of detection events and store the GPS location, time and other event info. This can be downloaded via Wifi to PC's and smartphones. Pre-starts and error events are also logged.

Optional Cloud Datalogging – detection event data can also be uploaded to the cloud (except for video) and accessible via a webpage. Small ongoing SIM card charges are required. This feature is included free for the first year.

Remote Updates – SIM card connectivity enables remote diagnosis and updates (if required)

OPTIONS INCLUDE:

Detection Event Triggered Video Recording, GPS Location, Data Logging & Push Notifications, Remote Access & Software Update.



Customized detection zone behind forklift



Sentinel Vision AI is a multi-award-winning product:

- Synaco Safety Award Finalist 2023
- Safe Work and Return to Work Awards Winner 2021
- Australian Earthmoving Awards 2020
- Endeavour Awards Winner 2020

CONTACT US NOW TO FIND OUT MORE ABOUT HOW SENTINEL VISION A.I. CAN IMPROVE THE SAFETY OF YOUR OPERATION

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