

DotNetix
making machines see



PRODUCT INFORMATION

SAFEYE

COLLISION AVOIDANCE SYSTEMS
FOR MINING AND INDUSTRIAL MACHINES

Pedestrian and Machine safety

Overview

SAFEYE is an advanced stereoscopic machine vision system that detects and differentiates between pedestrians, industrial machines like dump trucks, excavators, forklifts, cars, and other machines typically found on industrial sites.

With the most advanced artificial intelligence (AI) built into **SAFEYE**, operational safety is improved while employees and stake holders acknowledges safety as a valued and important priority.

Environmental

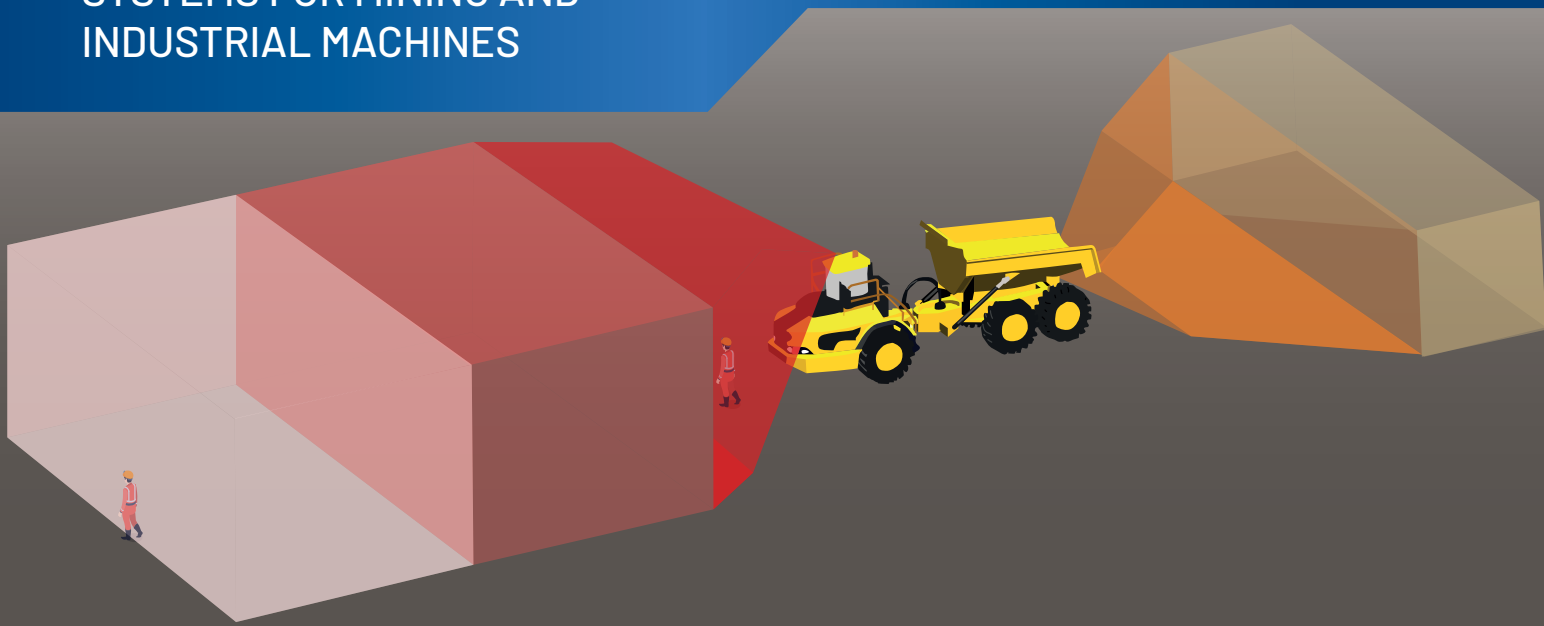
- Wide temperature specification -40°C to $+70^{\circ}\text{C}$.
- Waterproof and dustproof (IP69K sensor, IP65 Display and Controller).
- Compatible with all types and brands of industrial vehicles (stacker and reclaimers, forklifts, wheel loaders, excavators, dumpers and front-end loaders).

SAFEYE only generates alerts to operators when absolutely required. Thus avoiding distraction alerts which are not relevant.

Technical

Designed to operate in any harsh environment.





Features

- Accurate pedestrian detection.
- Accurate machine detections including ADTs, Rigid dump trucks, Excavators, Dozers etc.
- Suitable for surface and underground applications.
- 60 Hours of video recording and event log.
- Remote access and configuration through CLEARVIEW.
- Video monitoring via CLEARVIEW.
- Void and berm detection with warning included.
- CLEARVIEW offers remote tracking and near-miss monitoring.

Benefits

- **No RFID carried pedestrian tag required, reducing cost.**
- Low light sensitive camera with wide field of view.
- Ultra-rugged design for tough environments.
- Improved operator awareness.
- Improves safety around industrial machines.
- Multiple camera configurations and options for any type of machine installation.
- Customizable detection zones and three distance configuration zones.
- Compliance to DMR regulation 8.8(2)(d), 20.9.2, 20.9.1, 8.8(2)(c), Section 10 MHSA.



CLEARVIEW

CLEARVIEW is a remote analytics dashboard for tracking the position of machines, measuring interactions between pedestrians, machines and objects.

CLEARVIEW offers a valuable online tool to improve safety and traffic management on an industrial site.

CLEARVIEW provides an easy and intuitive dashboard that allows you to monitor a complete fleet of industrial machines.

CLEARVIEW supports a complete alarm terminal to keep track of safety problems.

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CLEARVIEW Features

- Remote **video** monitoring
- Remote SAFEYE **configuration**
- **GPS** monitoring of machines
- **Speed** monitoring of machines
- **Near-miss** monitoring of **pedestrians**
- **Near-miss** monitoring of **machines**
- **Berm** and Vidar detection monitoring
- **Void** - Stockpile detection
- **Connectivity** monitoring to SAFEYE sensors
- SAFEYE system health (including Dirty-Lens monitoring)
- Remote **software updates**

