

AI HUMAN DETECTION

OBJECT DETECTION & EVENT RECORDING



AI System: The system is based on the most advanced artificial intelligence (AI) human form recognition which is fitted to any type of plant, for industries such as construction, rail, mining, demolition and waste.

Function: A camera-based collision avoidance system and uses AI to identify people who are in the danger zone of moving plant and machinery. The system is trained to filter out all other objects and only detects the human form, acting as a third eye for the operator and sounding an alert if a collision is imminent, which is more reliable and accurate in issuing warnings than traditional radar.

Alerts: Simple and user-friendly warning system within the cab provides both visual and audible alerts for the operator.

Bespoke Detection Zones: System identifies only the human form in the designated detection zone and will only alert the operator if a collision with a pedestrian or vulnerable site personnel is imminent. The alarm zone configurations can be adapted depending on the requirements of each machine and site. For example, a bulldozer may require a different zone configuration than a telehandler, depending on the type of work.

DVR function: the system offers DVR function. If needed, full videos and alarm videos can be recorded in accordance with GDPR, thus offer the opportunity to further relieve the driver.



AI HUMAN DETECTION



TECHNICAL DATA

Working Voltage	9~32VDC
Working Temperature	-40°C ~ +75°C
Quiescent Current	≤100uA
Waterproof	IP69K
Vibration	5G



Each machine can be fully customised – the cameras are positioned at optimal locations and angles to capture every angle and activity.

The sensors act as a trigger, detecting unauthorised activity and alerting the operator immediately.

The zone configurations are important as they improve safety and efficiency on the worksite.

System allows to configure yellow zones and red zones, giving you full control of people detection and alerts.

By adapting the AI human detection zone configurations to suit the specific requirements of each machine and site, site managers help to prevent accidents and improve the overall efficiency of construction operations.

AI Camera: HD cameras are waterproof, dustproof and shock-resistant. Recognition distance of front, rear and side view can be set between 0.1m to 30m.

Optional

- ◆ Vehicle detection can be add as an addition function.
- ◆ The monitor displays the blind spots which on the side of the machines;

Suitable for more mechanical types

Vispect AI system easy to installation, higher and smarter recognition. It is easy to used in different industrial and agricultural fields.

If ECU CANBUS is able to connect and communication, the system can control the vehicle to a certain extent based on recognition and alarm results. For example, deceleration, braking, etc.



* For further information please free to contact us:

WEB: www.vispect.com

Email: Support@vispect.net