

SafeViewAI

The **vision** system that applies **deep learning AI** technology to the detection and recognition of pedestrians and vehicles.



Safety by any means



SAFETY IMPROVEMENT SYSTEMS

FUNCTIONING

VISION SYSTEM WITH ARTIFICIAL INTELLIGENCE



Detects pedestrians



Detects vehicles



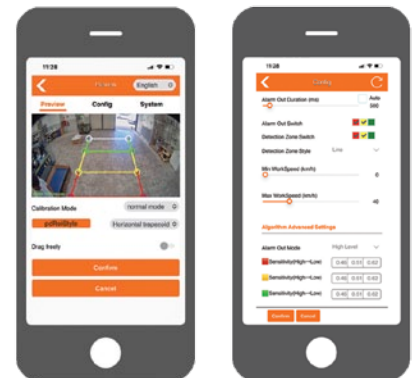
SafeViewAI applies **deep learning** technology (technology inspired by the functioning of the human brain that aims to teach computers how to learn from unstructured or unlabelled data) to the detection and **recognition** of **pedestrians** and/or **forklifts** and **vehicles** around the host machine.

Cameras can be installed on the rear side of the vehicle as well as on the front and sides, allowing the indication of the possible risk of collision.

It is also possible to implement **active functions**, slowing down the vehicle up to a complete stop (*).

SafeViewAI offers a wide range of **customizable parameters** accessible through **Web App**, to ensure maximum adaptability to any environment and/or application need and for maximum ease of use.

Detection area is divided into **3 distinct zones** (No alarms/ First alert, Pre-Alert, Alarm), totally configurable both in terms of shape, distance and logic of intervention on the vehicle.



No alarms/First alert

Pre-Alert

Alarm



(*). Requires technical verification

VISION SYSTEM WITH ARTIFICIAL INTELLIGENCE

SafeViewAI provides a **modular architecture**: thanks to the possibility of adopting **up to 4 cameras** and the multiple and contemporary display functions provided by the monitor adapts to the most diverse application needs. This feature also allows to expand the system later in a simple and direct way.



The **camera** combines compact size and industrial grade resistance to weathering and application. The **wide viewing angle** and the **high degree of resolution** place it at the top of the market solutions.

Technical data

View angle	130°
Detection distance	0.5 - 12 m
Resolution	1920x1080p
IP Grade	IP69K
Resistance to vibration	5.9G
Operative temperature	-20 / +70°C
Dimensions	95x60x70 mm
Weight	500 g



The **monitor**, thanks to its resolution, brightness, contrast and viewing angle features, offers an high visual experience level. The **metal body construction** and the **high IP grade** maximize the reliability in all conditions.

Technical data

Resolution	1024x600
Brightness	600 cd/m
Contrast	700:1
View angle	A:85° / S:85° / D:85°
IP Grade	IP66
Operative temperature	-20 / +70°C
Dimensions	200x140x70 mm
Weight	700 g



The kit includes all **harnesses**, also modular and concatenable. The construction with **moulded waterproof circular connectors** ensures maximum simplicity of installation and a long-term reliability over time, even in difficult conditions.

OPERATING OPTIONS

1. ONE CAMERA

Rear camera + monitor.



2. TWO CAMERAS

Rear and front cameras + monitor.



3. THREE CAMERAS

One rear camera, one left front camera and one right front camera + monitor.



right view



left view

SafeViewAI can also be used on excavators, dumpers, wheel loaders and telehandlers.

