

The logo for Optasafe, featuring the word "optasafe" in a sans-serif font. "opta" is in red and "safe" is in blue. A red swoosh underline starts under the 'a' in "opta" and curves around the top of the word "safe".

optasafe®

A blurred photograph of a warehouse interior. In the foreground, a forklift is moving from right to left. In the background, a worker is pushing a pallet jack with a stack of boxes. High industrial shelving units are visible in the distance.

'OptaSafe, see better, work safer'



## PDS : Pedestrian Detection System

See | Detect | Protect

Safety at work is a constant issue. Solutions exist to limit risks, which is why IMPCO Technologies supports you in these efforts.

The OptaSafe product range is a way to limit accidents while facilitating the work of your employees. Our cameras can be quickly installed on many vehicles such as forklifts, airport tractors, earth moving equipment...



## Why OptaSafe ?



- ✓ Pedestrian detection up to 12 meters
- ✓ Detection possible on 3 configurable zones
- ✓ Distinguishes people from objects
- ✓ Posture detection: squatting or leaning
- ✓ Support for detection of specific body parts: head, arms, legs
- ✓ Relay output for external alarm, speed reduction, etc.
- ✓ Can be used on any type of industrial vehicle
- ✓ Quick and easy installation and configuration
- ✓ 140° detection angle
- ✓ 1080p Full HD Camera
- ✓ 7-inch Full HD color screen
- ✓ High-definition video output
- ✓ Audible and Visual alerts on the screen
- ✓ Up to 4 cameras can be connected on one monitor
- ✓ Calibration via direct Wi-Fi connection
- ✓ Waterproof/dustproof rating: IP69K for the camera et IP66 for the screen

(protection against high pressure cleaning - Food Standard)

## Why OptaSafe ?

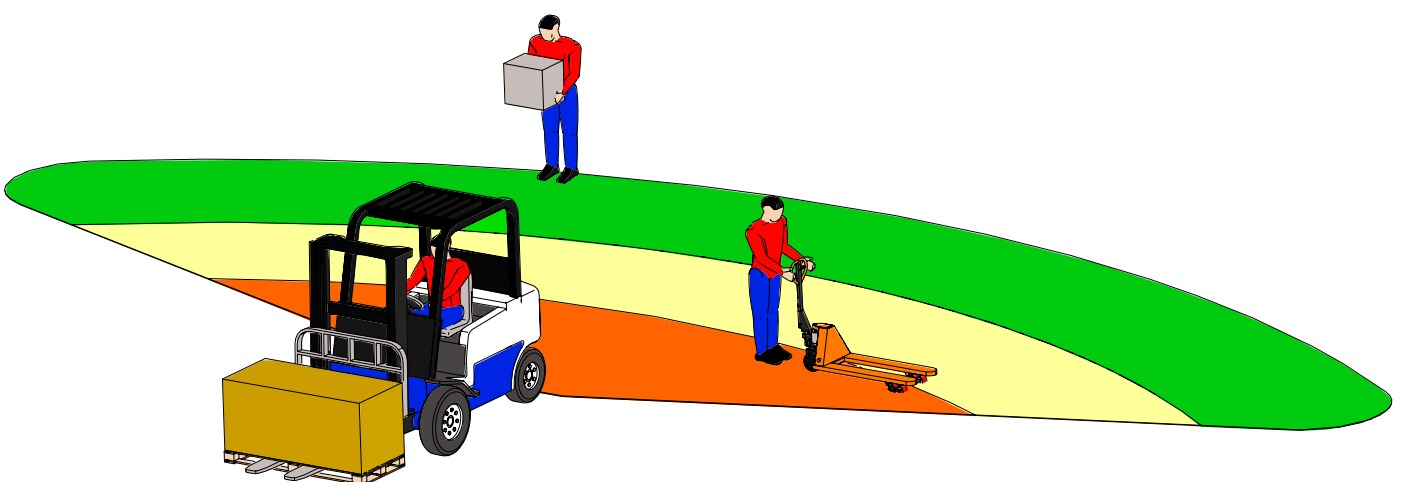


This solution is a combination of an on-vehicle camera with "artificial intelligence". Able to distinguish pedestrians and objects in real time, OptaSafe PDS is one of the most advanced pedestrian safety systems on the market today.

3 detection zones can be defined with a detection range of up to 12 meters and a horizontal viewing angle of 140°, which guarantees optimal visibility and safety.

The configuration can be easily done via a direct wifi monitor on your smartphone. The installation of this system is simple and the possibilities are multiple.

Basically, OptaSafe PDS is the best value for money in the pedestrian detection sector.



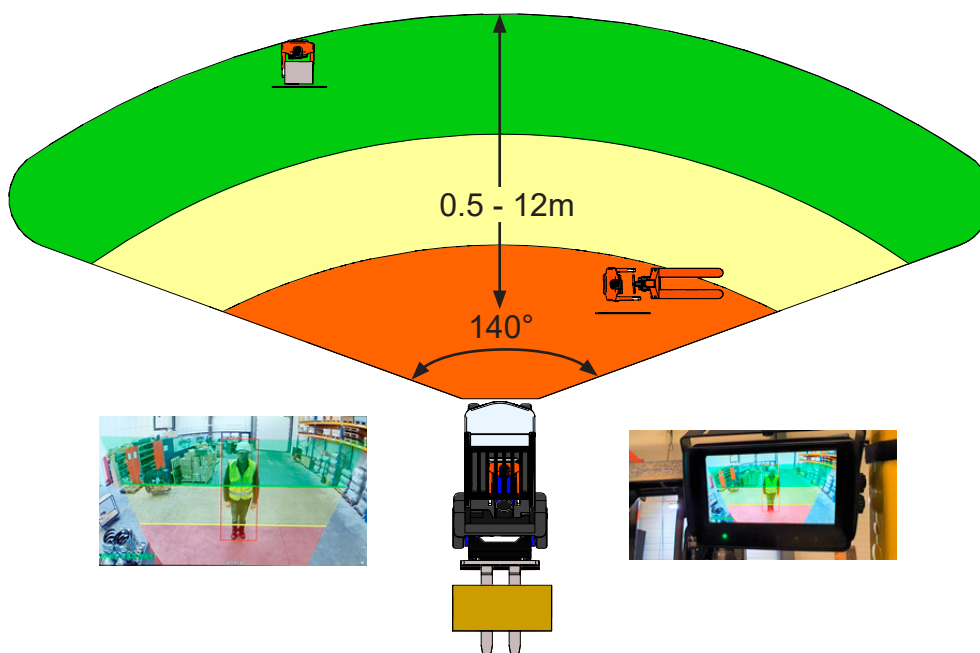
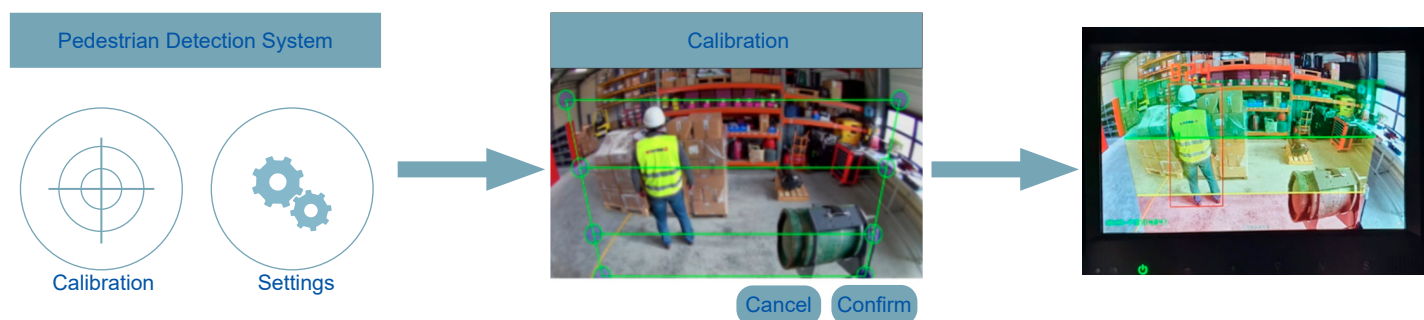


## How does it work?

When a pedestrian enters the detection field of the camera, a colored frame surrounds the pedestrian and an audible signal sounds on the screen, proportional to the level of danger.

A configurable output allows the control of a relay to trigger a speed limit or an external signal (sound or light).

It is possible to use this output with our OptaFleet solution for a better management of risk areas, by recording, processing the data and issuing alert reports.



OptaSafe PDS remains a driving assistance tool that mainly detects pedestrians. No solution should replace the caution of drivers and pedestrians.

## Technical Specifications



Parameter	Horizontal Wide Angle Camera
Focal length/viewing angle (H)	2,3 mm/140°
Detection distance (m)	0,5 ~12 (m)
Dimension (mm)	97.5×75.3×72
Weight (g)	470
Resolution / Frame	HD 1920 x1080 / 25 ips or 1920 x1080 /30 ips
Video output	AHD (1.0Vp-p,75Ohm)
Audio output	Acoustic warning signal Output
Communication Interface	USB 2.0 (for software upgrade)
Input voltage	DC 10 ~ 32V
Consumption (12 V IN)	170 mA
Wire length	0,5 m
Operating temperature	-20~70°C
Storage temperature	-30~80°C
Waterproof rating	IP69K
Shell Colour	Black

### Composition of the OptaSafe PDS kit



### OptaSafe PDS applications

- Logistics / Warehouse
- Industrie / Production
- Airports / Ports
- Earth moving equipment



## Contact Information



### IMPCO Technologies Sarl

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