Vehicle Safety Solutions
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# A.I.

## HD Intelligent detection camera

## PEDESTRIAN DETECTION WITH AI CAMERA

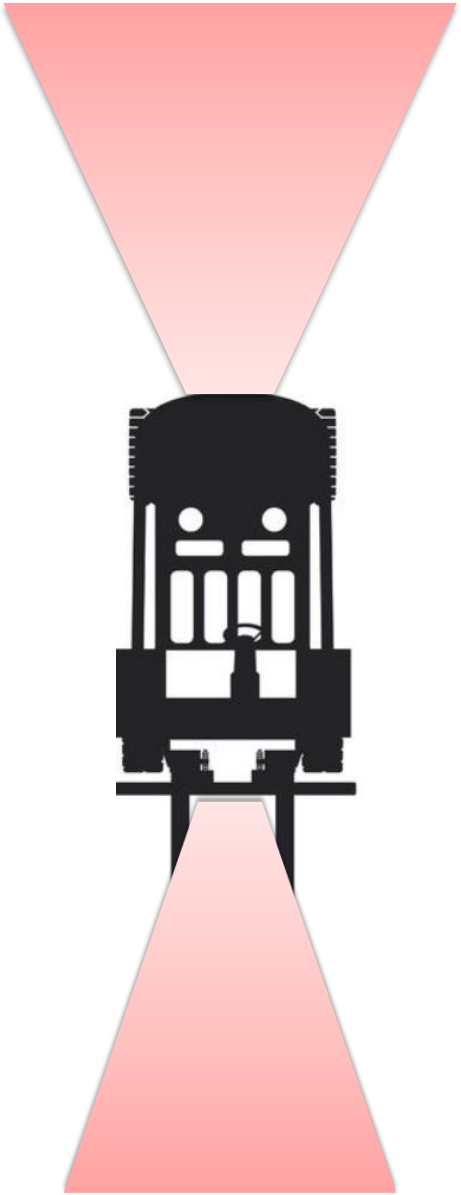
The AI camera detects people who are in the detection field of the camera.

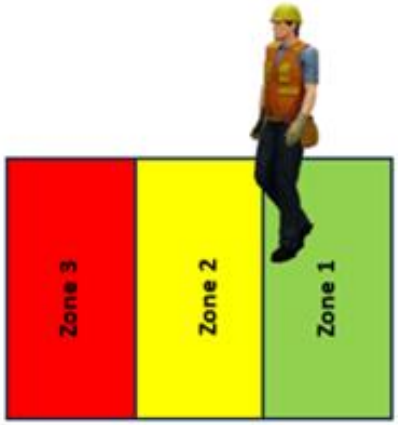
The driver then gets a warning or there is the possibility to automatically slow down the forklift.

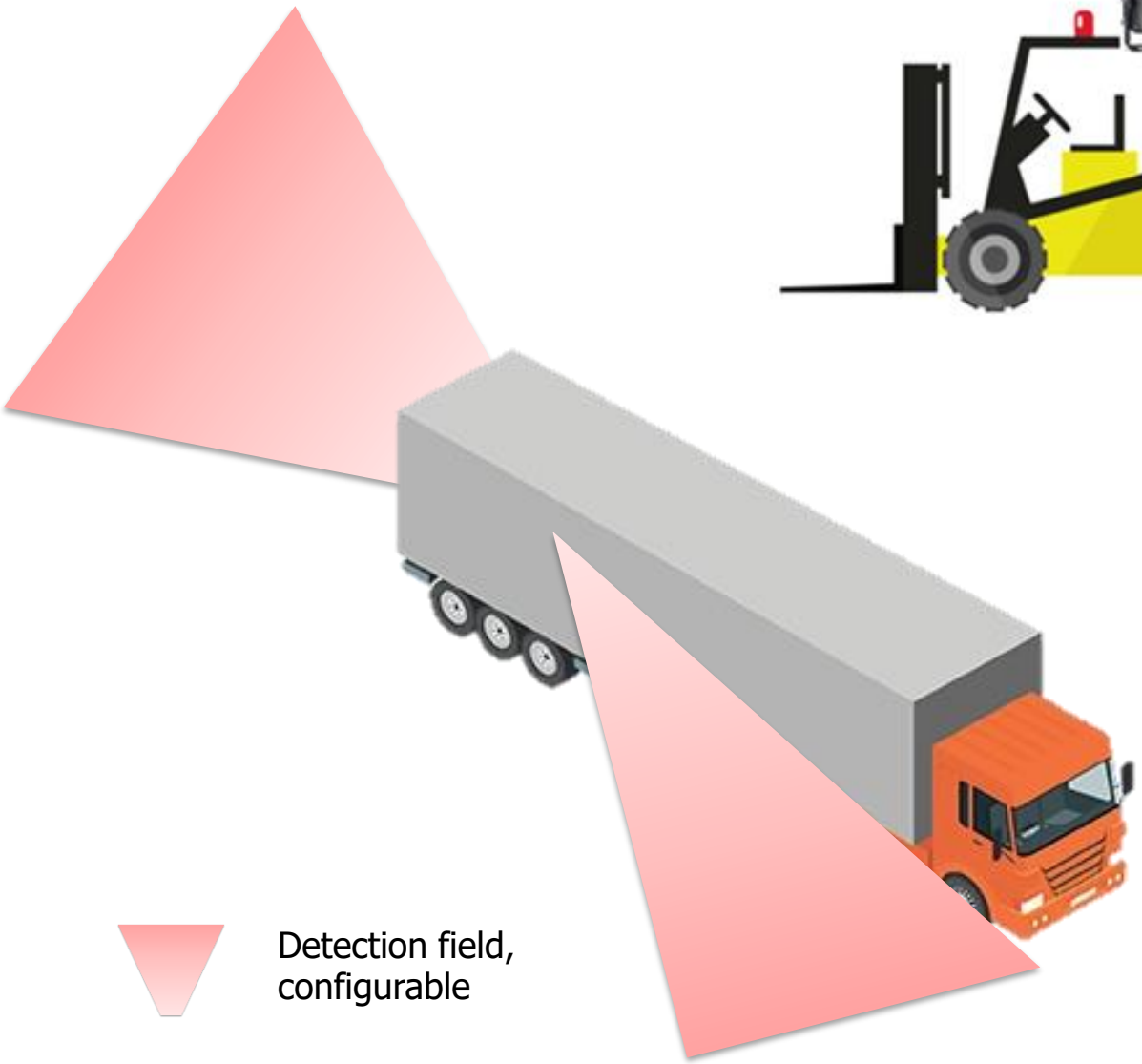
Only detection in driving direction to avoid unnecessary warnings.

Detection zones can be personalised, per zone a different warning/action can be activated.

Detection field, configurable





Detection field, configurable

The A.I. camera increases the field of view from the driver and detects pedestrians and then gives a "warning" and possibly reduces the speed of the forklift.
It not only quickly detects pedestrians and warns the driver in real time, it is also characterized by a high detection accuracy which gives the driver more reaction time. This reduces the possibility of accidents.

# Features

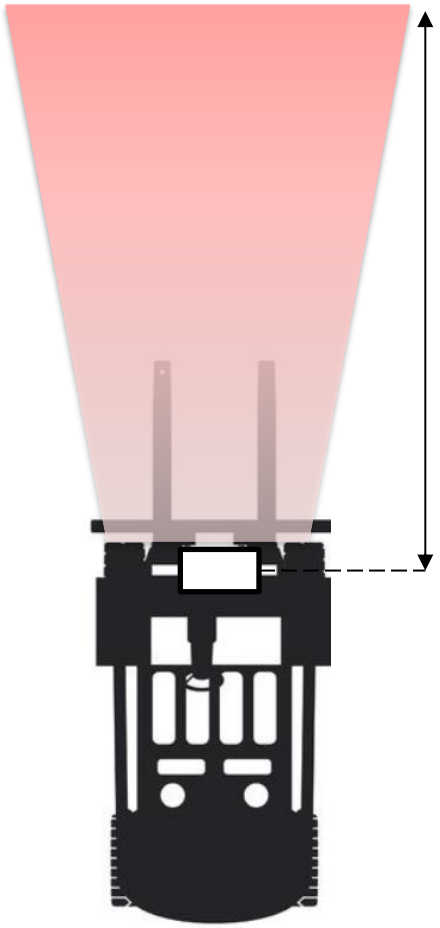
- Can be combined with just about all of our monitors
  - 7”, 10”, monovision, multivision, waterproof monitors in open cabins
- Besides the AI camera, ‘normal’ AHD cameras can also be connected to the monitors (together with the AI camera)
- Possible wireless solutions with the AI camera for specific applications
- Possibility to produce a signal/warning when a defect of the system is detected (eg.: power failure). This warning is also activated when the camera is covered
- Detection only active in the driving direction, so no unnecessary warnings or speed corrections
- Option to get different warning/action per detection zone.
- The AI camera can recognise specific signs with a  temporary (as long as the sign is detected) or a permanent (until a different sign is detected) action. The camera can now be used as speed zoning as well.

# Features

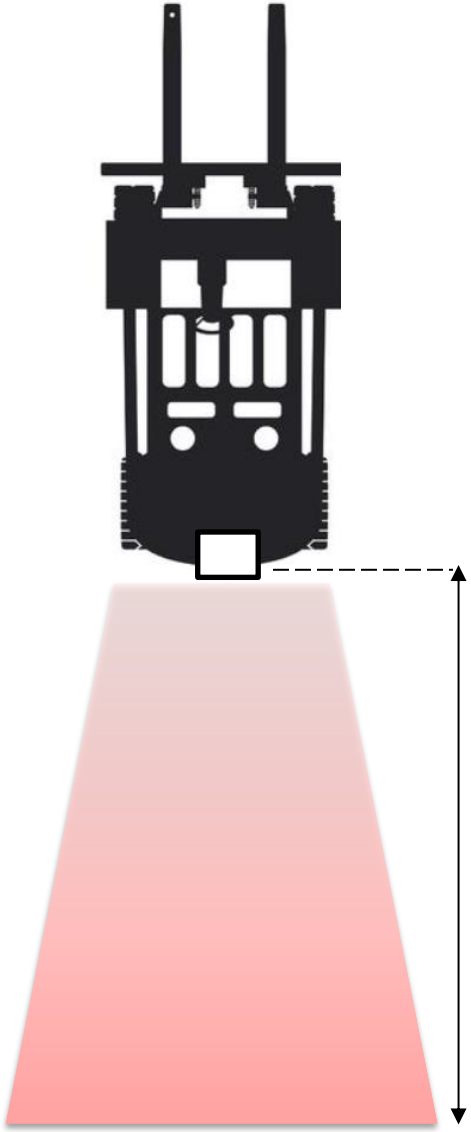
- Easy install
- Waterproof/Dustproof rating: IP69K, with anti-vibration of 5.9G
- Pedestrian detection: from 0,5m to 20m
- Full high definition 1080P video output (with pedestrian tracking & a warning, possible activation of deceleration of the forklift)
- Audio alarm output  in connection to the monitor
- There is also a possibility to provide an output where the forklift automatically slows down after detection.
- Lens parameters:  an angle of 50° or 140°
- Optional USB2.0 interface cable, for connection with WIFI tool to configure camera according to your wishes via an app on your phone

# Specifications

| | |
|---|---|
| Supply Voltage | DC10V~32V |
| Consumption (12V IN) | 150mA(IR light off) |
| | 700mA(IR light on) |
| Video Format | AHD(1.0Vp-p, 75Ohm) |
| Video Output | 25 or 30 |
| Resolution | 1920 x 1080P |
| Horizontal Viewing Angle | 52° |
| Audio Output | Warning sound signal output |
| Communication Interface | USB 2.0(for software upgrade) |
| Cable Length | 3m |
| Working Temperature | -20 ~ +70°C |
| Storage Temperature | -30 ~ +80°C |
| Waterproof Rating | IP69K |
| Dimension | 95 x 60 x70(mm) |
| Weight | 500g |
| Housing Color | Black |



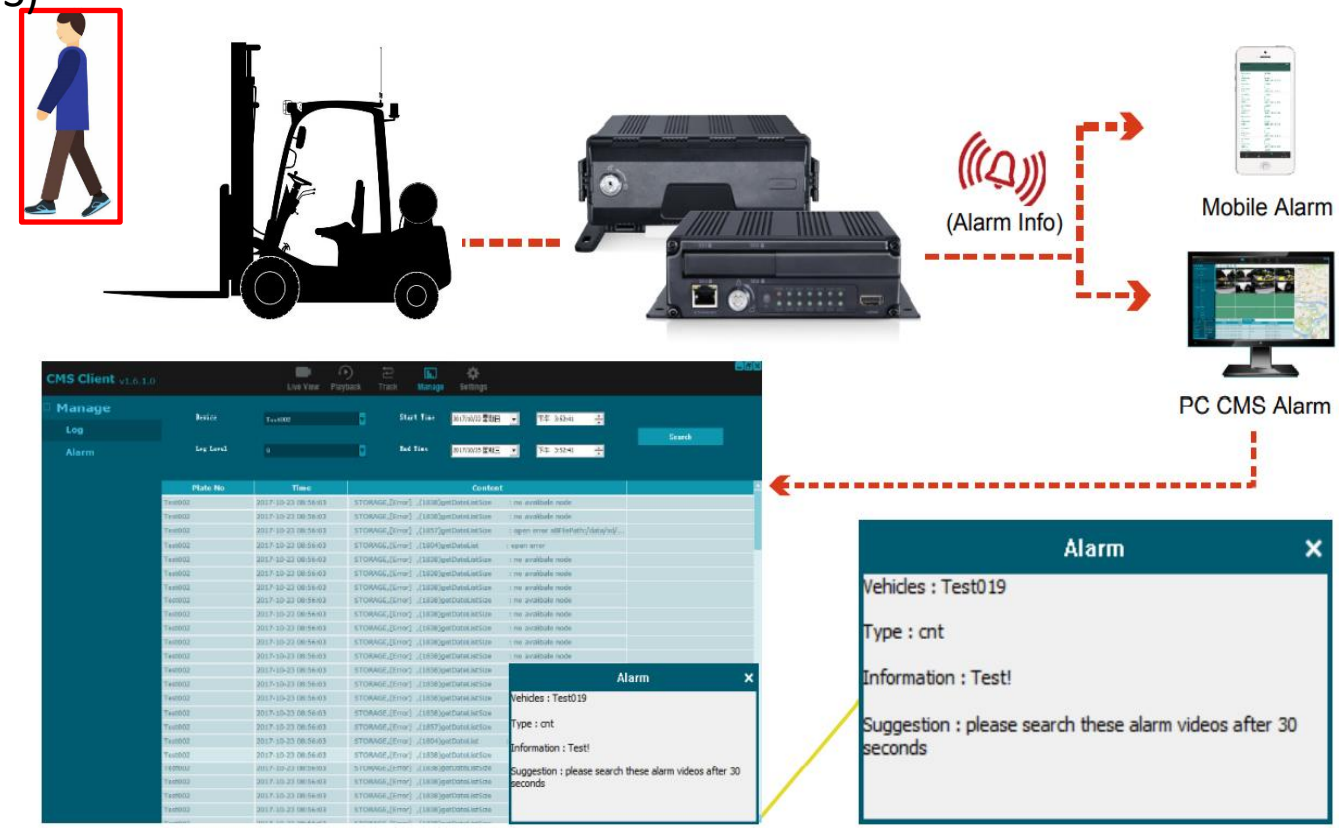
Detection
distance
5m – 20m



Detection
distance
5m – 20m

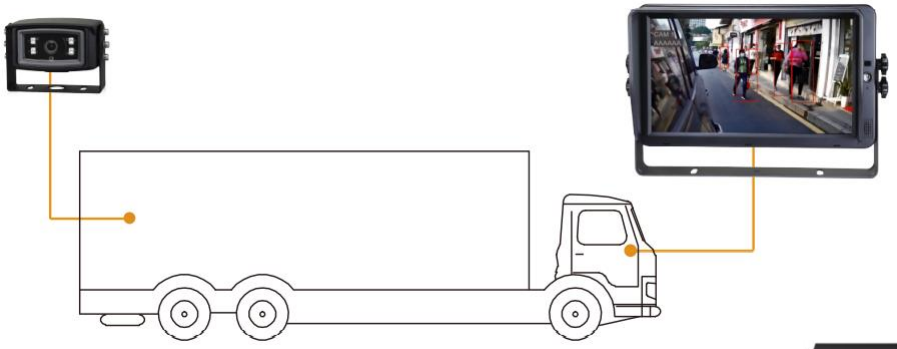
# Intelligent pedestrian detection camera combined with MDVR

The MDVR (mobile recorder) can optionally be connected to the pedestrian detection camera. Immediately after detecting a pedestrian the MDVR starts recording. This can be sent via 4G to a CMS server with a simultaneous “warning” to a cellphone (only IOS)



# Applications

The pedestrian detection camera can be applied to different types of vehicles like forklifts, busses, trucks, …



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Together we would like to look for a solution for your visibility and safety problems.

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