

# 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.

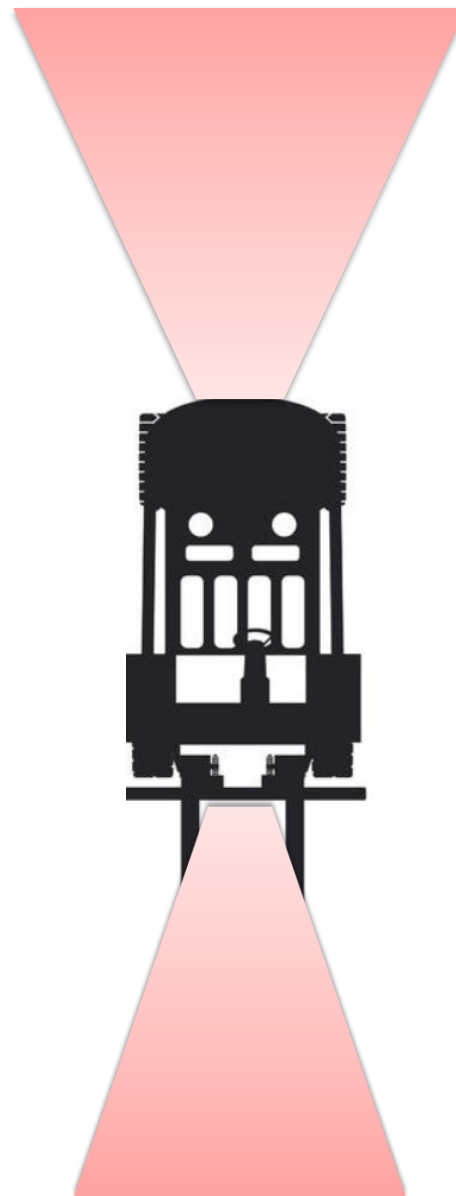
The driver then gets a warning or there is the possibility to automatically slow down the forklift.

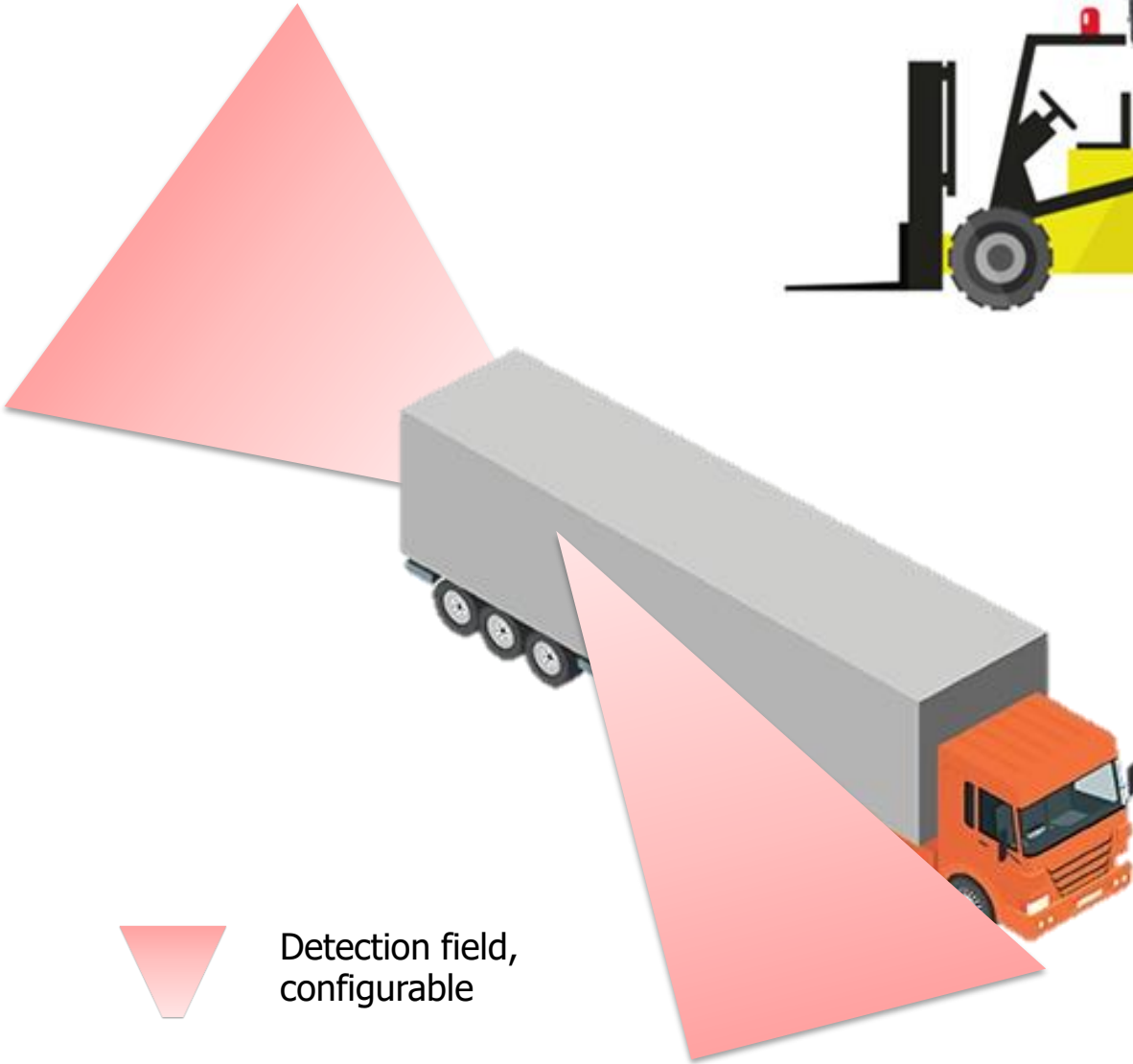
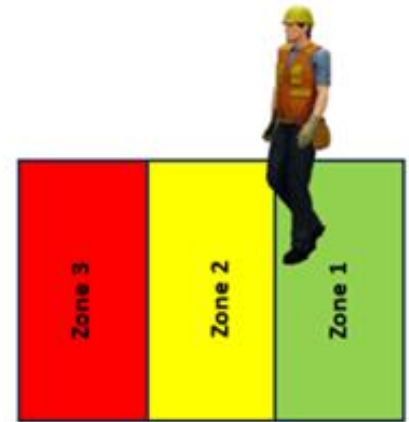
Only detection in driving direction to avoid unnecessary warnings.

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

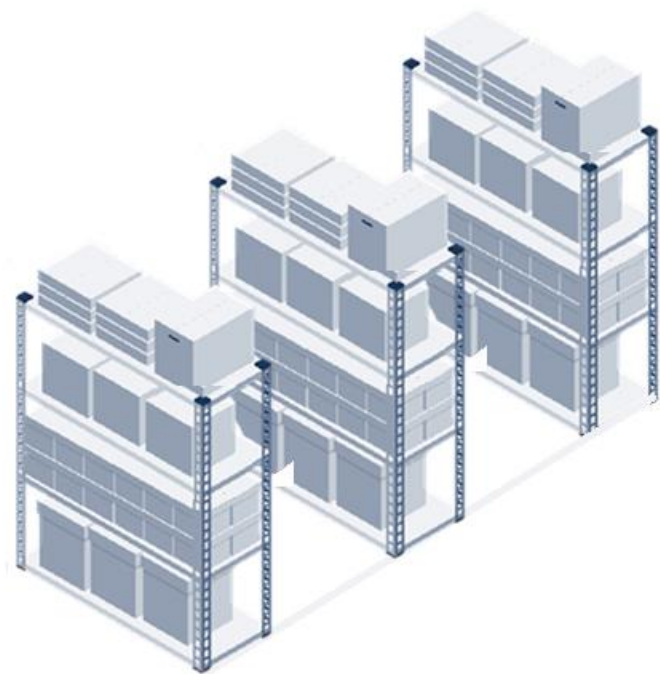


Detection field,  
configurable





Detection field,  
configurable



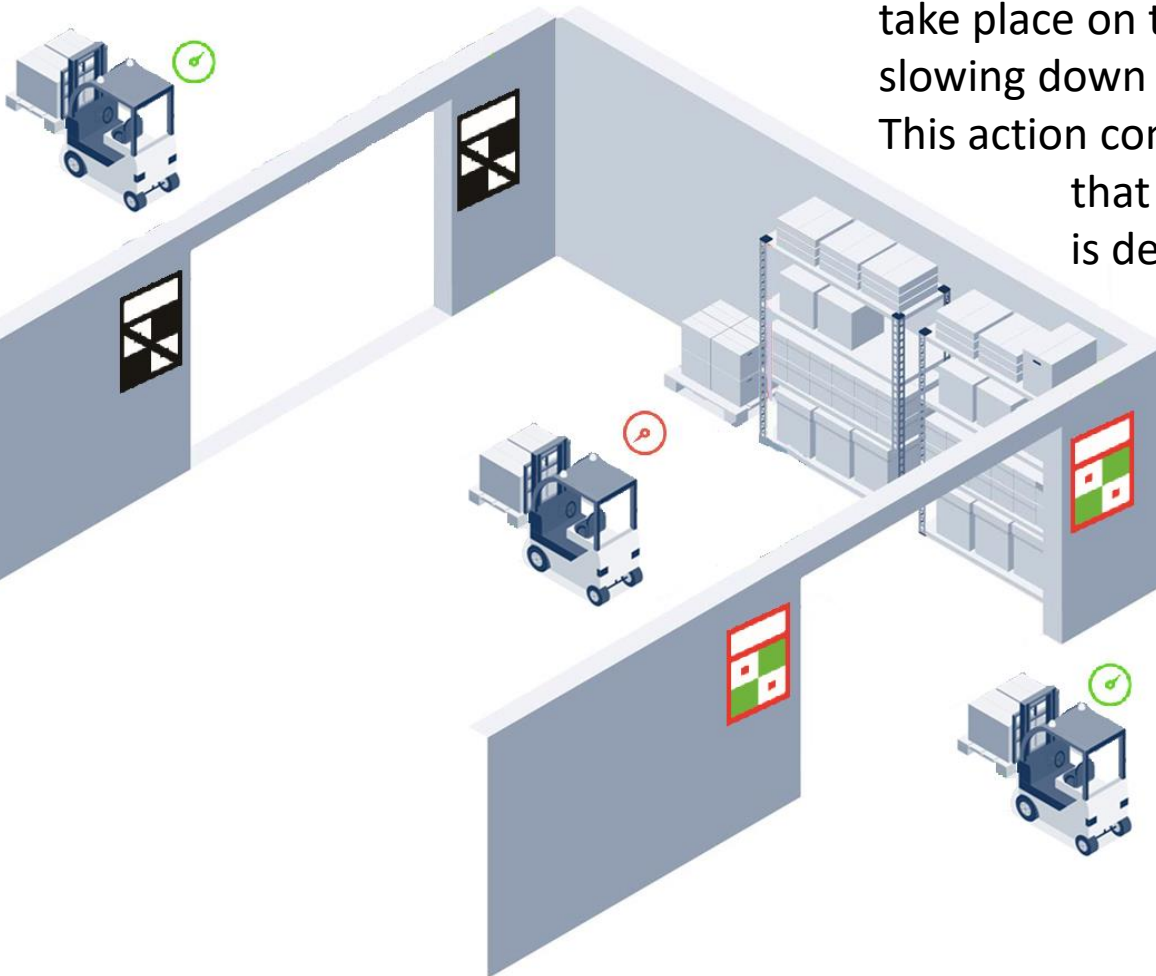
As soon as a pedestrian is detected the vehicle will slow down



## SPEED ZONING WITH AI CAMERA

The vehicle detects certain signs, as soon as a sign "A" is detected, an action will take place on the forklift, in this case slowing down the vehicle.

This action continues until the sign (B) that marks the end of the zone is detected. Then the vehicle can drive faster again.



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.

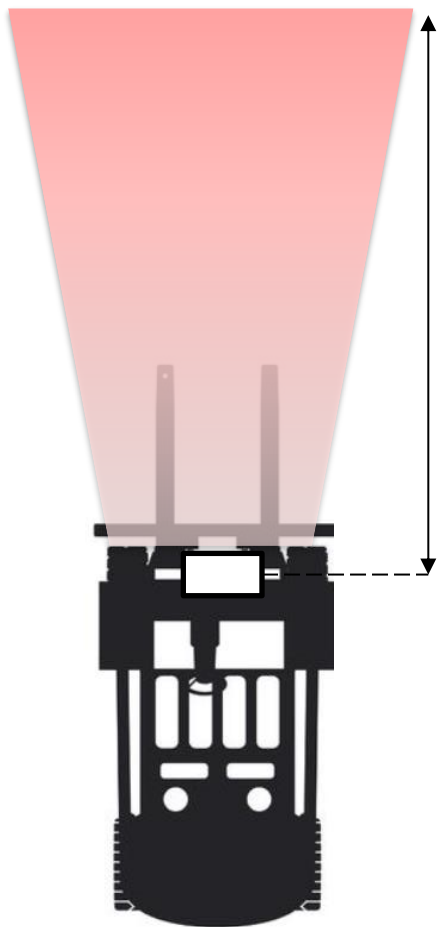


# Features

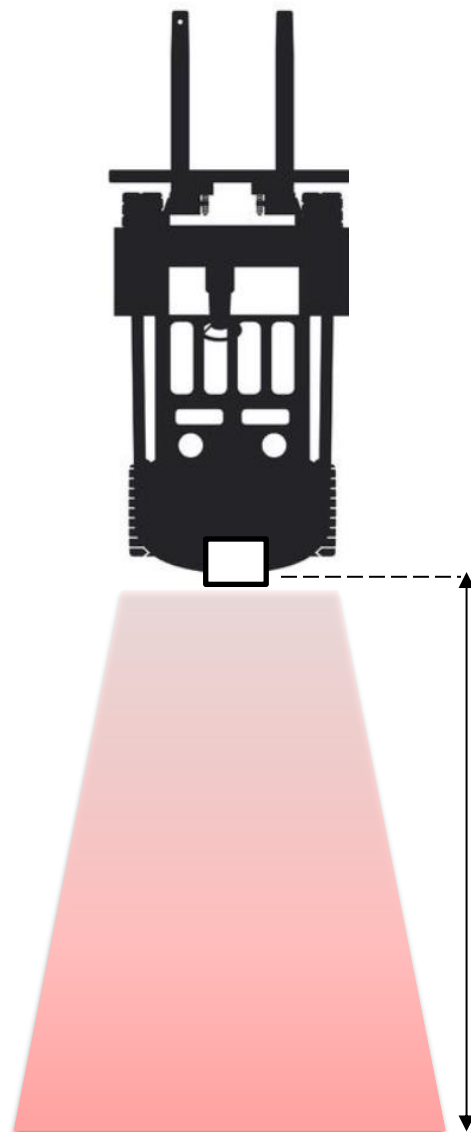
- Easy install
- Waterproof/Dustproof rating: IP69K, with anti-vibration of 5.9G
- Pedestrian detection: from 0,5m to 20m
- Full high definition 1080P video output (with pedestrian tracking & a warning, possible activation of deceleration of the forklift)
- Audio alarm output in connection to the monitor
- 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)



CMS Client v1.6.1.0

Manage

Notice: Success Start Time: 2017-10-23 08:56:03 CC Admin Search

Log

Alarm Log Level: 0 Red Star: 2017-10-23 08:56:03 CC Admin Search

Plate No	Time	Content
Test002	2017-10-23 08:56:03	STORAGE_Error: /11800/pedestrianDetection - no available node
Test003	2017-10-23 08:56:03	STORAGE_Error: /11800/pedestrianDetection - no available node
Test004	2017-10-23 08:56:03	STORAGE_Error: /11807/pedestrianDetection - open error: null!path!device!...
Test005	2017-10-23 08:56:03	STORAGE_Error: /11804/pedestrianDetection - open error
Test006	2017-10-23 08:56:03	STORAGE_Error: /11806/pedestrianDetection - no available node
Test007	2017-10-23 08:56:03	STORAGE_Error: /11808/pedestrianDetection - no available node
Test008	2017-10-23 08:56:03	STORAGE_Error: /11809/pedestrianDetection - no available node
Test009	2017-10-23 08:56:03	STORAGE_Error: /11800/pedestrianDetection - no available node
Test010	2017-10-23 08:56:03	STORAGE_Error: /11800/pedestrianDetection - no available node
Test011	2017-10-23 08:56:03	STORAGE_Error: /11800/pedestrianDetection - no available node
Test012	2017-10-23 08:56:03	STORAGE_Error: /11800/pedestrianDetection - no available node
Test013	2017-10-23 08:56:03	STORAGE_Error: /11800/pedestrianDetection - no available node
Test014	2017-10-23 08:56:03	STORAGE_Error: /11800/pedestrianDetection - no available node
Test015	2017-10-23 08:56:03	STORAGE_Error: /11800/pedestrianDetection - no available node
Test016	2017-10-23 08:56:03	STORAGE_Error: /11800/pedestrianDetection - no available node
Test017	2017-10-23 08:56:03	STORAGE_Error: /11800/pedestrianDetection - no available node
Test018	2017-10-23 08:56:03	STORAGE_Error: /11800/pedestrianDetection - no available node
Test019	2017-10-23 08:56:03	STORAGE_Error: /11800/pedestrianDetection - no available node
Test020	2017-10-23 08:56:03	STORAGE_Error: /11800/pedestrianDetection - no available node

Alarm

Vehicles : Test019

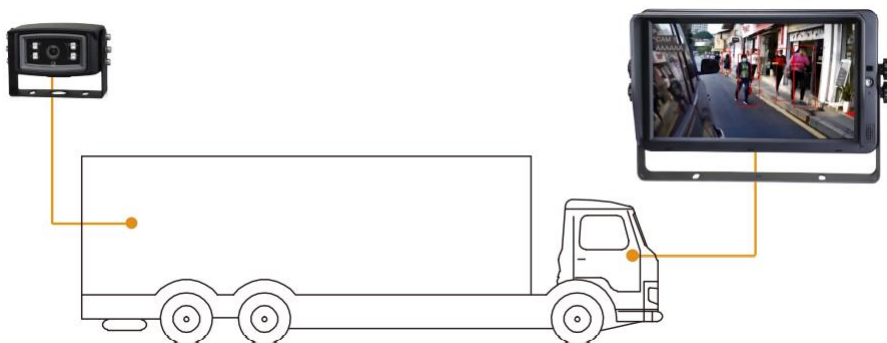
Type : cnt

Information : Test!

Suggestion : please search these alarm videos after 30 seconds

# Applications

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







V2S, the technology for your safety.

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

info@v2s.eu  
0032/485.03.75.88