

Human Detector

Human Detector - systems increase the efficiency of customer service in car dealerships and also protect against theft and vandalism.



For decades the car trade has been making significant investments for the purpose of a high quality presentation of their vehicles. The presentation of a vehicle is very costly, not just because of the value of the exhibit. Potential buyers expect a modern showroom and exhibited vehicles in mint condition. They also expect the sales staff to be attentive, but not pushy or intrusive.

And this is where the problem lies. Modern car dealerships are increasing in size and qualified staff may not be at hand in sufficient numbers. Potential clients are therefore being lost and are not treated appropriately. In addition the dealership may experience theft from and damage to vehicles. And this is even more so the case if the individual does not feel watched.

The **Human Detector** system offers an ingenious solution and increases the efficiency of the sales team. The tiny **Human Detector** sensors are installed on the vehicle in concealed places.

Even the slightest physical human contact with a vehicle is immediately detected and a message is transmitted to the **Human Detector** control centre. A variety of actions could now be triggered depending on the set-up of the system.

These range from a signal sounding in the office of the sales staff, to the display of the touched vehicle on a PC, to the fully automated control of movable cameras. The monitoring camera displays the person at the car. Sales staff can now decide which further action to take. In addition all activities around the car can be recorded. This way no potential customer is lost and the culprits are being detected at the same time.

In comparison to conventional surveillance systems costs are significantly reduced through the deployment of intelligently controlled individual cameras.

Human Detector

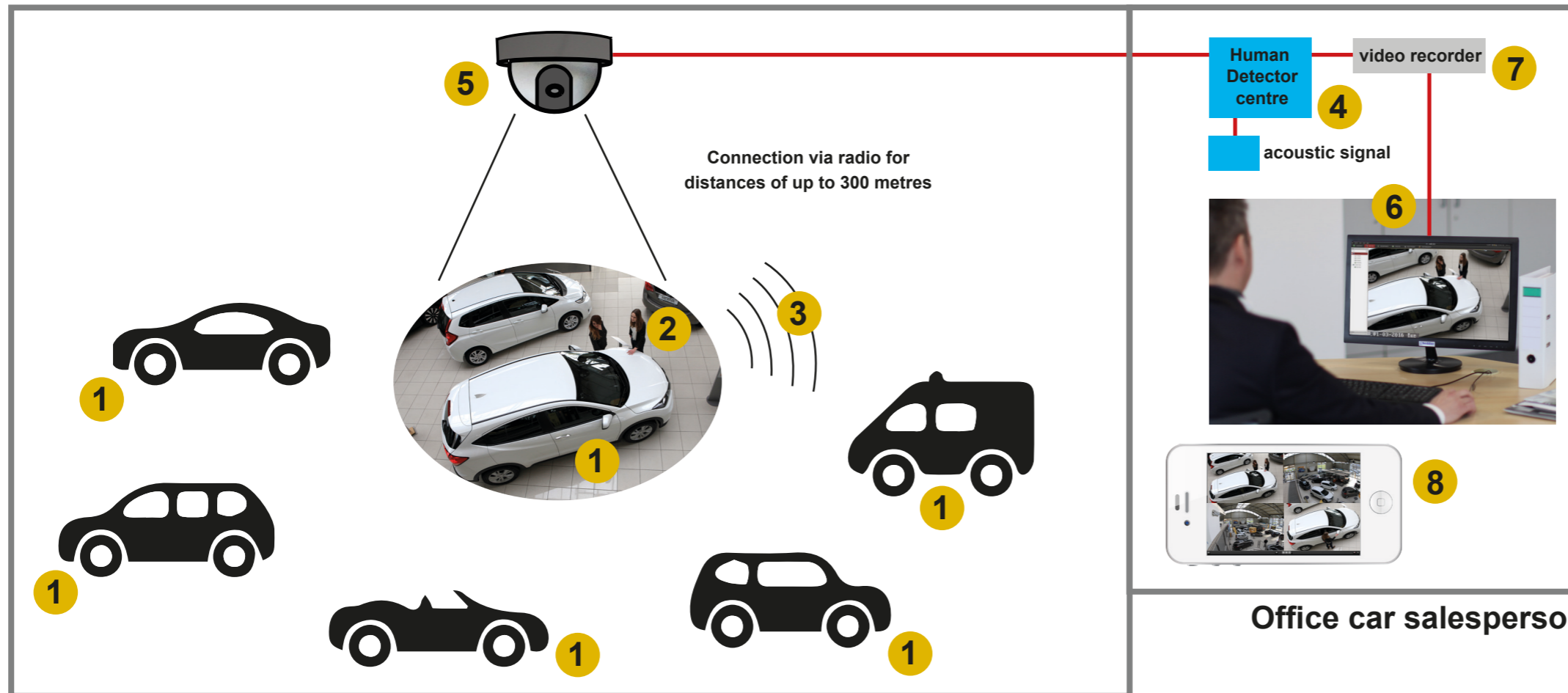
– knows your customer's desired car

The image shows the deployment of the **Human Detector** System in a simplified depiction of a car dealership. One **Human Detector** system is capable of monitoring several showrooms and buildings at the same time, due to the large range of

the sensor modules and its expandability. Existing video surveillance systems can usually be utilized. If a video surveillance system is not present, turn and swivel cameras can be retrofitted.

Please do not hesitate to contact us, should you have any further questions.

Showroom at car dealership



The **Human Detector** Sensor is hidden in the automobile. No complicated installation is required, as is the case with other alarm systems. The sensors comprise a battery, and transmit information via radio. Each installation is capable of monitoring up to 1000 vehicles.



Human Detector

– the Intelligent Solution

There are various vehicles in your showroom. Each is equipped with a concealed **Human Detector** sensor. **1**

A person touching a vehicle **2** is immediately detected and reported via radio **3** to the **Human Detector** centre. **4** It controls the surveillance camera. **5** The camera immediately pans to the vehicle with the person in question. **2** A discreet notification sound alerts the sales office, if required.

The car salesperson immediately is able to see the touched vehicle and the person in question on their monitor. **6**

The **Human Detector** centre is also capable of controlling video recording devices. **7** They record all activities in your showroom. Acts of vandalism and theft are also recorded and documented in this way.

The recording devices **7** are also capable of transferring these video images directly to your smartphone **8** or to any place in the world. You are therefore always able to view your showroom.



Existing video equipment can usually be integrated into the **Human Detector** system. Your showrooms can be monitored from anywhere in the world, due to modern video technology. You are able to see all activity in your showroom via your smartphone.



Even the slightest physical contact on the automobile is detected by the capacitive sensor in the **Human Detector**. Automobiles in outdoor areas can also be secured against theft of parts and vandalism.*1*2

Office car salesperson

The **Human Detector** centre records the data from all sensors. This information is used to control surveillance cameras and video recording devices. The car salesperson can immediately see, if a customer touches a vehicle. In addition, all activities in the vicinity of the vehicle are recorded. The **Human Detector** centre is capable of simultaneously monitoring several showrooms and outdoor spaces. Control monitors can be deployed in several locations.

The Human Detector system at a glance:

Item: HD-SM



Human Detector sensor module

- Compact sensor module for the protection of automobiles
- Integrated seismic and capacitive sensors (adjustable sensitivity)
- Optional radar sensor for the deployment with convertibles
- Connection terminals for external alarm systems (such as motion sensors)
- Isolated output NC (VDS compatible)
- Long term operation with powerful lithium batteries
- Integrated loud transmitter for alarm messages (adjustable duration)
- Secure, encrypted radio operation with a range of up to 300 metres *3
- Installation with screws, glue, ties or magnetic mounting plate
- Measurements sensor housing: 117w x 85h x 41d in mm
- Weight: 160 grams (including batteries)
- Operating voltage: 2 x lithium CR123 batteries or via vehicle on-board supply system
- Scope of delivery: Sensor module, 2 x CR123 batteries, installation instructions

Item: HD-C



Human Detector centre

- Centralized control for Human Detector module (max. 1000)
- Secure, encrypted radio operation and large range through separate aerial *3
- Embedded, powerful alarm siren
- RS-485 interface for controlling of external surveillance cameras and recording devices (PELCO)
- 8 x alarm output for controlling video recording devices, sirens, signal lights, etc.
- Installed rechargeable battery for emergency operation in case of power failure
- USB-interface for configuration, including configuration software in German/English
- Measurements housing for wall mounting: 139w x 210h x 58d in mm
- Weight: 460 grams (without power supply)
- Operating voltage: 230V/50 Hz AC
- Scope of delivery: Human Detector centre, power supply, configuration software (Win), installation instructions

Item: RS-1Z



Radar sensor

- Single-zone radar sensor *4
- Range: approx. 2.5m (adjustable)
- Measurements housing: 68w x 60h x 14d in mm
- Weight: 30 grams
- Operating voltage: 12V DC (connector for **Human Detector**)

Recommended accessories:

- | | |
|--|---------------------|
| · Replacement batteries for Human Detector | Item: CR123 |
| · 12V on-board supply cable | Item: HD-12V |
| · Potential plate for loose installation | Item: HD-GND |
| · Connector cable with clips | Item: HD-AS |
| · Magnetic mounting plate | Item: HD-MAG |
| · PTZ-surveillance cameras | on request |
| · NVR-network video recording device | on request |
| · Alarm systems, sirens and accessories | on request |
| · Paging systems | on request |

*1 The capacitive sensor can only be deployed in a dry environment (indoor).

*2 Capacitive sensors work with conducting materials, such as metal and carbon

*3 The range is variable depending on the type of building and fittings.

Maximum distances can be achieved in open spaces.

*4 The optional radar sensor has an independent housing, therefore increasing the total power consumption. For operation an external power supply is required (vehicle on-board power supply or mains).

Technical specifications are subject to change without notice.

Additional accessories are available on request. We would be very happy to provide advice for the integration of our Human Detector systems into your existing alarm- and video surveillance systems.

Distributed by:

