

Vision is
our mission®



SideEye
Blind Spot Detection

- ✔ Kraftfahrt-bundesamt (KBA)
- ✔ Direct Vision Standard
- ✔ General Safety Regulation

SideEye: Active Camera and Radar Detection System Increase Blind-Spot Safety

SideEye is an active turn assistant certified by the German Federal Motor Transport Authority (KBA). Use SideEye and prevent blind-spot accidents. This camera and radar detection system actively alerts you when cyclists, pedestrians or other road users are present in the blind spot of your truck. SideEye is therefore ideal for increasing the safety of vulnerable road users in urban environments.

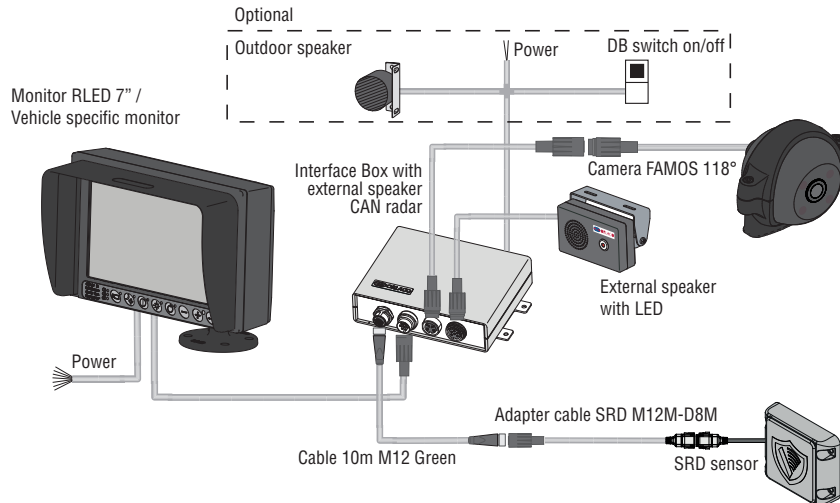
Visual and Acoustic Warnings

SideEye actively provides visual and audible alerts for drivers as soon as other road users, such as pedestrians and cyclists, are detected in the truck's blind spot. And because SideEye uses a combination of radar signals, audio signals and camera images, a driver will always have a good view of the blind spot in the area surrounding your truck. Furthermore, a monitor overlay indicates that there is someone in the blind spot.

Having a view of the blind spot means drivers can work easily and confidently and can maneuver with ease in any traffic scenario. This increases the safety of drivers and other road users in the vicinity of the truck.



System overview



Integrate SideEye into Existing Systems

Many trucks are already equipped with an analog side view camera. These systems are suitable for extension with SideEye. The SRD Interface Box integrates radar alerts directly into the image on the existing monitor via visual overlays and acoustic signals. This process can be carried out using either an existing Stoneridge-Orlaco camera system or an own HMI display. Adding detection overlays to the video images makes it possible for drivers to work more safely, reliably and efficiently.



Accurate Detection in a Fraction of a Second

In addition to a FAMOS camera, SideEye includes a radar unit. This is a small, robust, short-range radar sensor mounted on the side of a truck. The sensor transmits 24-GHz radar signals at low power and receives the radio signals reflected by the objects. The signals received allow the radar unit to detect people and objects and determine whether they are moving.

Blind spot detection required

To enhance the safety in the blind spot, camera and active detection systems are required in a growing number of countries. Starting March 1, 2021 in the United Kingdom, for example, vehicles over 12 tons must meet the Direct Vision Standard if they are to be allowed to drive into the London urban area. In the European Union, new trucks must have a blind spot system in compliance with the General Safety Regulation from 2022. Existing vehicles must have such a system from 2024.



Want to know more about the Direct Vision Standard? Go to [orlaco.com/dvs](https://www.orlaco.com/dvs). Visit [orlaco.com/gsr](https://www.orlaco.com/gsr) for information about the General Safety Regulation.



FAMOS Camera

- Lens angle: 118°
- Heated glass
- Shock proof and vibration resistant
- Watertight IP67, IP69K
- -40°C to 85°C / -40°F to 185°F operating temperature



RLED / LEDD SRD Monitor

- 7 inch TFT monitor
- Improved Auto Brightness Control (ABC) including one-touch day-night setting
- Full On-Screen-Display (OSD) functionality in 15 languages
- Shock proof and vibration resistant
- -40°C to 85°C / -40°F to 185°F operating temperature



Short Range Radar Unit

- Detection Zone: 10ft (3m) x 39ft (12m)
- Low power narrow band 24GHz radar signals
- Watertight IP69K
- Shock proof and vibration resistant
- -40°C to 85°C / -40°F to 185°F operating temperature



SRD Interface Box with external speaker

- Connects the SRD sensors to a camera, monitor and external speaker
- Powerful 85 dB (+/- 3 dB 1m) speaker with 3 meter cable
- IP66 compliant
- -40°C to 85°C / -40°F to 185°F operating temperature



4-pins UNI Cable and Short Range Radar Cable

- Connects camera and monitor
- IP67 waterproof
- Oil and petrol resistant
- EMC shielded and ADR approved
- -40°C to 85°C / -40°F to 185°F operating temperature



Outdoor Speaker

- Powerful 97 dB speaker
- IP67 waterproof
- 4 meter cable included