Vehicle Hotspot Detection System

Fully-automatic detection of overheated vehicle parts

SICK
Sensor Intelligence.

Vehicle Hotspot Detection System

Product description

The Vehicle Hotspot Detection System profiling system combines thermal imaging cameras and 2D LiDAR sensors to detect over-heated vehicles. The system can be used to detect and divert these vehicles, for example before entering tunnels, before being transported by RoRo ships, at road-rail loading terminals, or at traffic control areas. The system measures the temperature and dimensions of each vehicle, determines the vehicle class and generates a 3D model of the vehicle. This allows individual vehicle zones, such as the wheels, motor, exhaust pipe or cargo hold, to be automatically identified.

At a glance

- Fully-automatic detection of overheated vehicles
- Adjustable alarm thresholds for various vehicle zones
- 3D visualization of the vehicles
- Can be extended, for example, to include the detection of license plates, hazardous goods plates or overheight
- Data transmission via TCP/IP interface
- All-weather LiDAR and infrared technology

Your benefits

- Prevention of fires and traffic jams due to early detection of overheated vehicles
- Measurement possible in flowing traffic, even at high vehicle speeds
- Targeted identification of individual overheated vehicle zones
- Quick vehicle inspection: On the graphical user interface of the system, overheated vehicle parts can be precisely located
- Simple integration into local vehicle control system – no installations in the road surface necessary
- Minimal operational and maintenance costs
- Ready for use around the clock in any weather

Fields of application

- Road tunnels
- Terminals for rolling highway
- RoRo ship terminals
- Diversion of trucks at heavy traffic control points
- Strategically important traffic routes
- Protection against entering potential danger zones

Ordering information

Other models and accessories ➜ www.sick.com/Vehicle_Hotspot_Detection_System

SICK AT A GLANCE

SICK is one of the leading manufacturers of intelligent sensors and sensor solutions for industrial applications. A unique range of products and services creates the perfect basis for controlling processes securely and efficiently, protecting individuals from accidents and preventing damage to the environment.

We have extensive experience in a wide range of industries and understand their processes and requirements. With intelligent sensors, we can deliver exactly what our customers need. In application centers in Europe, Asia and North America, system solutions are tested and optimized in accordance with customer specifications. All this makes us a reliable supplier and development partner.

Comprehensive services complete our offering: SICK LifeTime Services provide support throughout the machine life cycle and ensure safety and productivity.

For us, that is "Sensor Intelligence."

WORLDWIDE PRESENCE:

Contacts and other locations –**www.sick.com**

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