

SECUSCAN

Under Vehicle Monitoring System

More Safety with Technology from Signalbau Huber

Traffic in motion

Signalbau Huber

More Safety with SecuScan

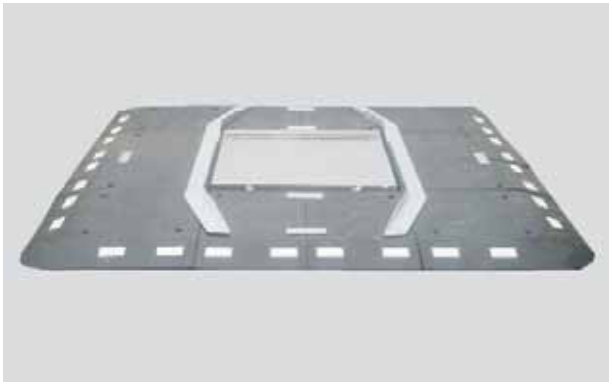
SecuScan is the Under Vehicle Monitoring System from Signalbau Huber. With its innovative technology, the system supports fast and easy detection of dangerous objects as, for instance, weapons and explosives, drugs and contraband as well as safety or quality defects (e.g. rust).*

In contrast to conventional vehicle underside control methods, like hand-held mirrors or inspection wells, SecuScan facilitates reliable safety inspections without slowing down the flow of traffic at the access point.

Range of Application

Whether as a mobile or a static system - SecuScan offers a wide field of applications:

- Protection of airports, military institutions, embassies, nuclear power plants, penitentiaries as well as other high-profile installations
- Border controls
- Parking garage access controls
- Security checks at sports events or other large-scale events
- Mobile vehicle controls by the police

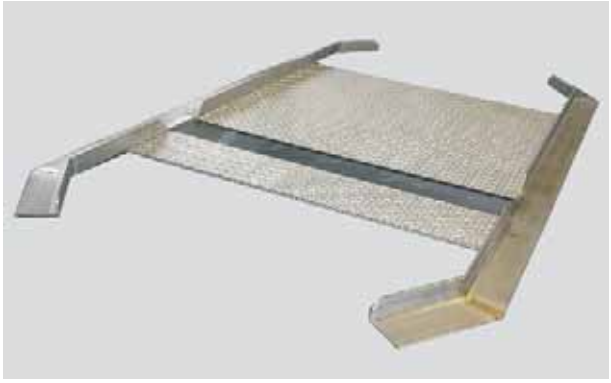


SecuScan as a Mobile System

- For flexible safety controls at changing inspection sites
- Fast assembly and disassembly as well as uncomplicated transport
- For all vehicle weight classes and track widths

SecuScan as a Static System

- For sophisticated safety inspections in connection with a comprehensive access control system
- Mounting into the road surface with little constructional effort
- High load capacity



* SecuScan does not provide automatic detection of suspicious objects but serves the security staff as a supportive tool for vehicle inspection.

System Structure and Functionality

The Under Vehicle Monitoring System SecuScan essentially comprises a scanning unit, a workstation, traffic lights and a light barrier; depending on the system option, SecuScan uses hard-rubber pads and protection ramps for the mobile system as well as a steel construction for the static system. In addition, SecuScan can be upgraded with a variety of additional options.

The scanning unit (height = 9 cm/3.5”) consists of a line camera, a mirror and an infrared LED lighting unit. Through a small slit in the scanning unit, the camera captures the entire underside of a vehicle in moving traffic.

In order to display the underside to scale, different heights of undercarriages (car/truck) as well as the vehicle length are taken into account. The underside is then displayed as high-resolution image on the screen.

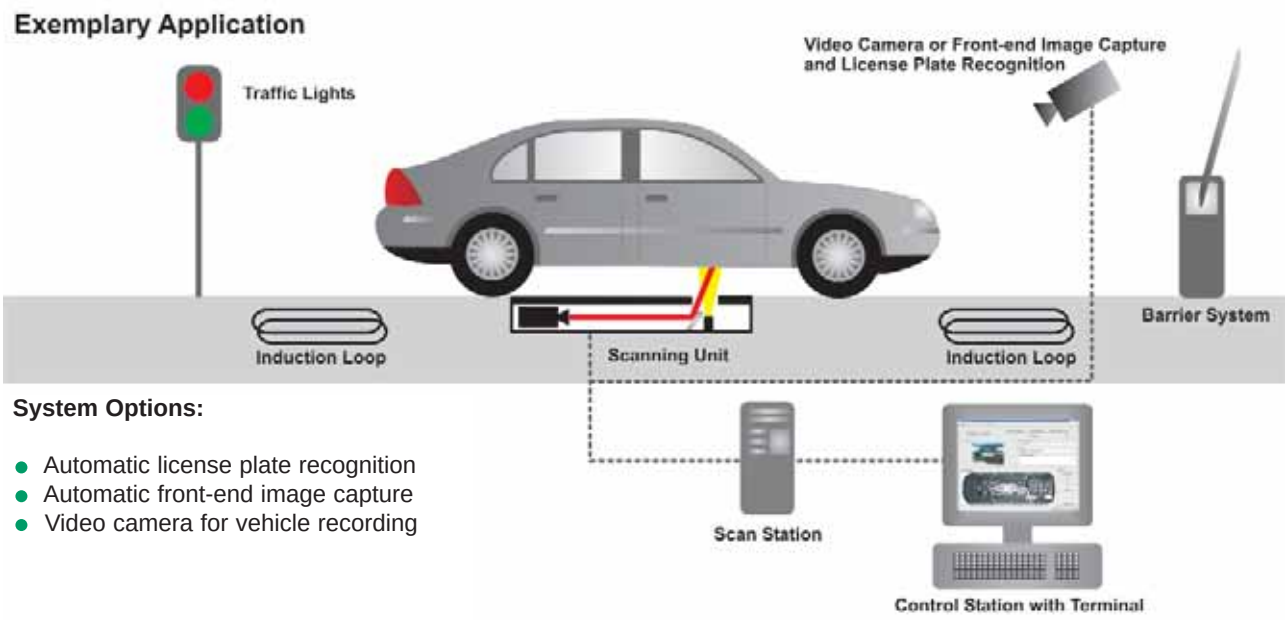
To simplify the correlation between the underside images and the corresponding vehicles, an optional front-end image capture camera as well as automatic license plate recognition can be integrated.

The SecuScan software provides the guards with all collected vehicle data on the control screen. Additional information can be entered manually.

Zoom capabilities support the identification of details up to a size of 5 mm (0.2”). This facilitates the fast and efficient detection and analysis of suspicious objects.

All the data collected or manually entered can be stored in a database under the vehicle license plate number. In case of recurring vehicles, the software provides the possibility to compare the current underside image with an already archived one of the same vehicle in order to identify potential deviations at a glance.

Exemplary Application



System Options:

- Automatic license plate recognition
- Automatic front-end image capture
- Video camera for vehicle recording

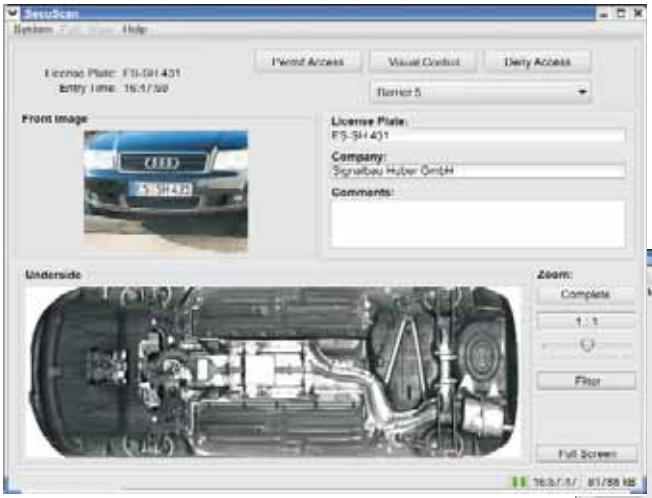
Performance Features

Scanning-Unit

- Dimensions: approx. 100 x 100 x 9 cm
  (39” x 39” x 3.5”)
  (L x W x H)
- Max. speed: up to 40 km/h (25 mph)
- Max. vehicle length: approx. 20 m (66 ft)
- Suitable for all vehicle weight classes
- Suitable for all track widths
- Solid stainless steel components
- Extremely weather-resistant
- Competent service and maintenance
- Optional mounting into the road surface

Server and Software

- Linux operating system
- SQL database for up to 10,000 data records with comfortable search function
- Easy operation
- High-resolution images with zoom capabilities up to details of 5 mm (0.2”)
- Visual image comparison by the security staff
- German and English software version (all other languages on request)
- User authorization and help function
- CD-Rom software updates
- Remote maintenance with integrated modem
- Easy export of data and images
- Integrated CD writer
- Implementation of existing barriers and traffic light systems

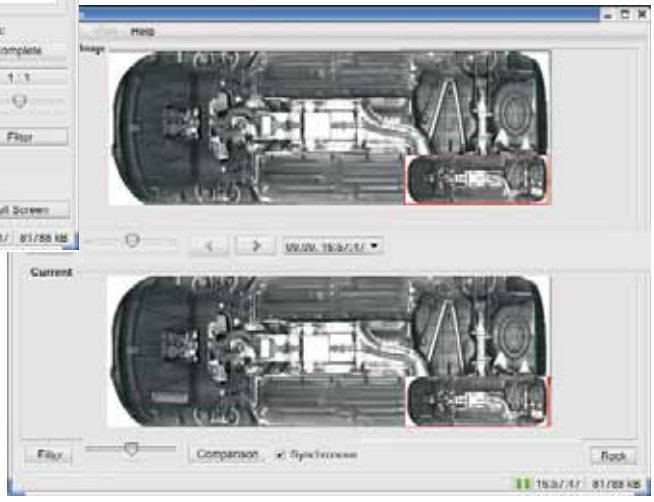


SecuScan User Interface
Display of

- Underside image
- Front-end image (optional)
- License plate number (optional)
- Date & time
- Driving lane (optional if more than one)
- Manual input of additional information

Visual Image Comparison in case of recurring vehicles

Comparison of already archived and current underside image of the same vehicle by the security staff





Key Facts

Labor- and time-intensive underside inspection methods are a thing of the past. The innovative SecuScan system represents a revolution in safety engineering:

- Mobile and static system option
- Cost efficiency due to reduced constructional and personnel expenditures
- Fast dispatch of vehicles in moving traffic
- Modern software with compatibility to all current systems
- High image quality
- Zoom capabilities up to details of 5 mm (0.2”)
- Possibility to compare current and archived underside image of the same vehicle
- Documentation, archiving and evaluation of the recorded vehicle data

References

The Under Vehicle Monitoring System SecuScan has frequently proved its value as a high-performance safety system and has already been utilized worldwide. Some project examples are described in the following:

Government District, Berlin, Germany

In 2001, SecuScan has been successfully installed as access control system at buildings of the German Federal Government. Two static systems, one for cars and one especially for heavy-load vehicles, are providing security for the government officials.

Bureau of the German Federal Chancellor (Bundeskanzleramt), Berlin, Germany

In fall 2003, SecuScan has been installed as static system at the main access point to the Bundeskanzleramt. Here, the vehicle scanner is also part of a comprehensive access control system and inspects vehicles for potential safety risks.

Distrigas, Boston Harbor, USA

In 2004, two static SecuScan security systems have been implemented at the premises of the gas distribution company Distrigas at Boston Harbor. They are protecting this highly sensitive territory from dangerous objects. In consideration of the heavy delivery trucks, the systems have a special configuration for truck inspections.

Signalbau Huber
Company Profile

For more than 50 years, Signalbau Huber has been operating in the field of traffic control and traffic guidance. We develop and implement innovative traffic management systems based on the long-time know-how of experienced and highly qualified employees. In addition, developments in safety engineering, like SecuScan, enable us to provide the ideal solution for every requirement in the field of access control.

Signalbau-Huber is operating internationally and is represented in many countries.

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Hungary • Czech Republic • Slovakia
Poland • Greece

We have worldwide cooperations with renowned partners, who offer competent on-site service and support.

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