



Under Vehicle Monitoring System

More Safety with SecuScan

SecuScan is the Under Vehicle Monitoring System from KTG. 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

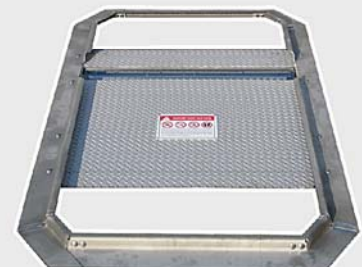
SecuScan as a Mobile System

- 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
- Available with light aluminum ramps or with very robust rubber pads



SecuScan as a Static System in the road surface

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





Under Vehicle Monitoring System

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 = 11 cm/4.3") 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.

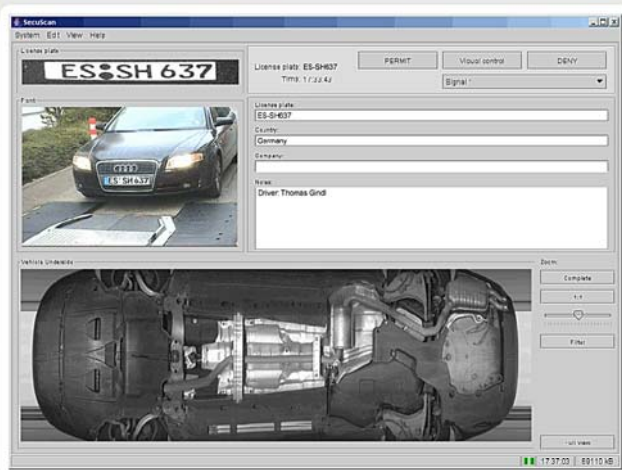
Zoom capabilities support the identification of details up to a size of 5 mm (0.2"). This facilitates the fast and efficient detection and analysis of suspicious objects.

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.

Automatic Comparison (OPTIONAL)

In case of recurring vehicles

Possibility of automatic comparison of already archived and current underside image of the same vehicle as a helping tool for the security staff



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

