Chassis scanner
System of undercar frame inspection

- Scanning of vehicle chassis in high resolution
- Identification of suspicious items
- Compare function of current and previous underside image
- License plate recognition
- Mobile and stationary versions
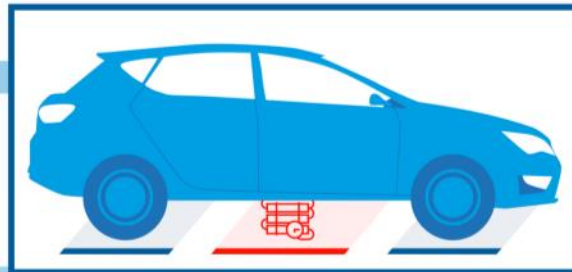- Easy installation
- Robust design with high resistance

Chassis scanner
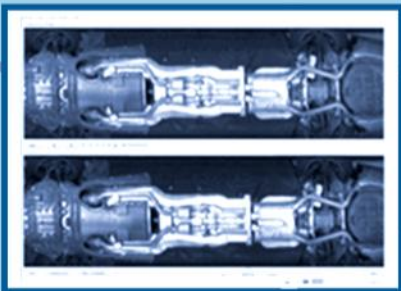## System of undercar frame inspection

COLSYS

Photograph

Picture processing
Optional registration plate recognition

Operator evaluation

Control of peripherals

Detector — Scanner — Detector

Boom Gate

RP recognition — Traffic lights

Operator evaluation
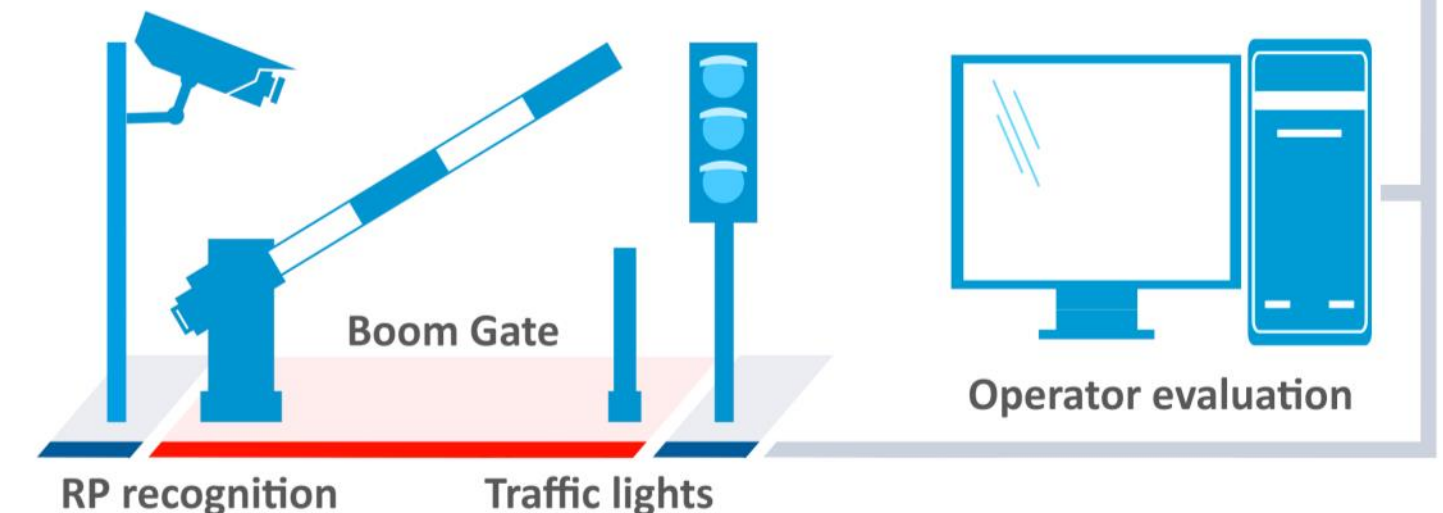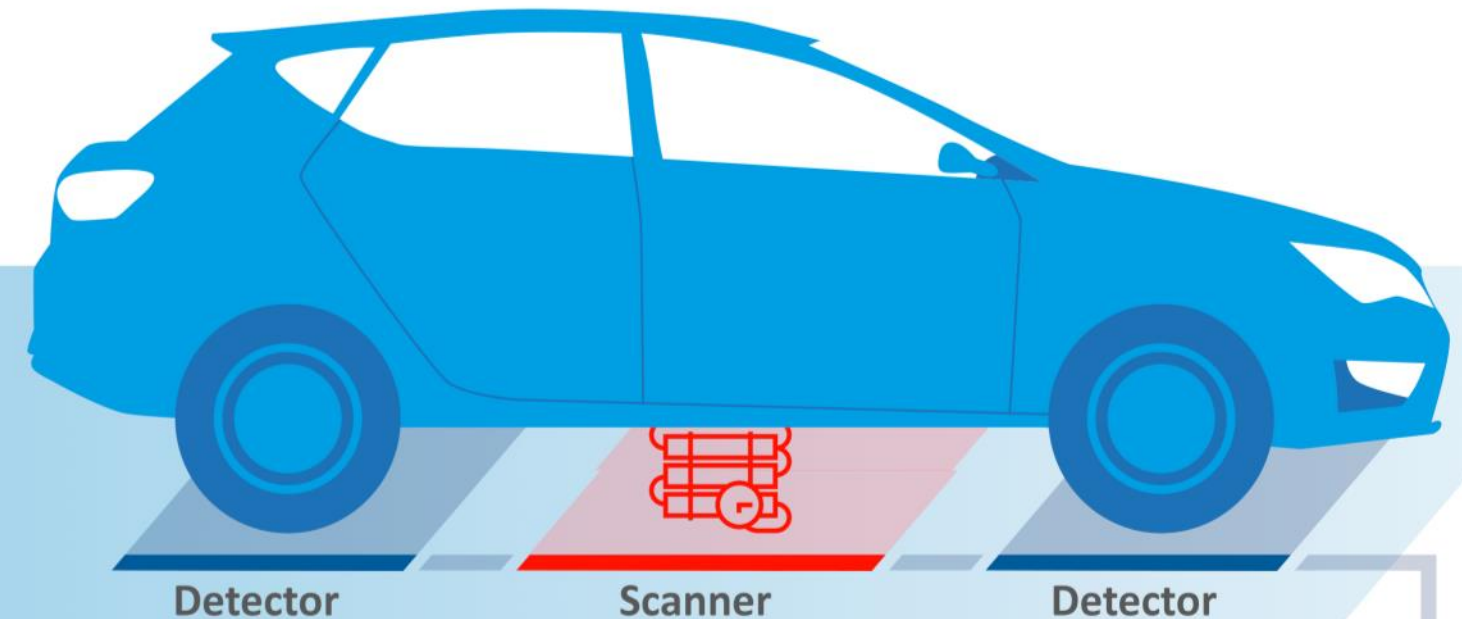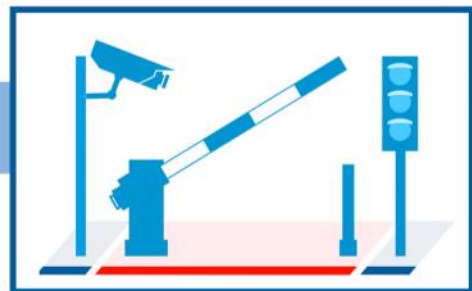
Basics characteristics

Colsys Vehicle System offers you the world's leading technology in Under Vehicle Inspection Systems. Our unique technology offers many advantages due to the use of LED infrared lighting, such as the best possible lighting technology for Under Vehicle Inspection Systems, long life, low power consumption, and contrary to halogen, invisible to the "audience".

Colsys Vehicle System - Designed to provide a crystal clear image of the underside of the vehicle, from small cars to trucks up to 60 feet. Unbeaten quality of the images, preferred by various governmental test agencies. Colsys Vehicle System technology is specially designed for Under Vehicle Scanning, where color hardly exists. We have carefully chosen monochrome technology because of its numerous advantages over color technology, such as the much higher quality of the image.

Stationary applications

- Continuous control of the underside of all the incoming vehicles
- No need any more for the operator to use mirror's on a stick or get into the dirty and wet inspection well
- For all vehicle weight classes and track widths
- Easy to install, installation depth of the standard scanner housing is 15 cm

Mobile applications

- Flexible in deployment and application
- Fast and easy assembly and disassembly as well as uncomplicated transportation
- Available with durable light aluminium ramps or with robust rubber pads
- For all vehicle weight classes and track widths

License Plate Recognition

In many cases, the UVIScan® Under Vehicle Inspection System is applied together with a License Plate Recognition (LPR) system. This is an integrated automatic license plate recognition system that can identify and store the license plates of the scanned vehicles.

The LPR system captures a front (or sometimes back) – image of the vehicle. The LPR software will automatically recognize the characters of the number plate with special OCR software. The text information will be displayed together with the picture of the license plate.
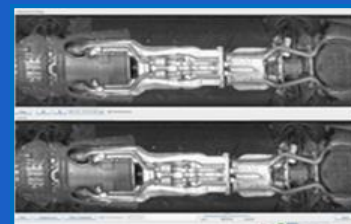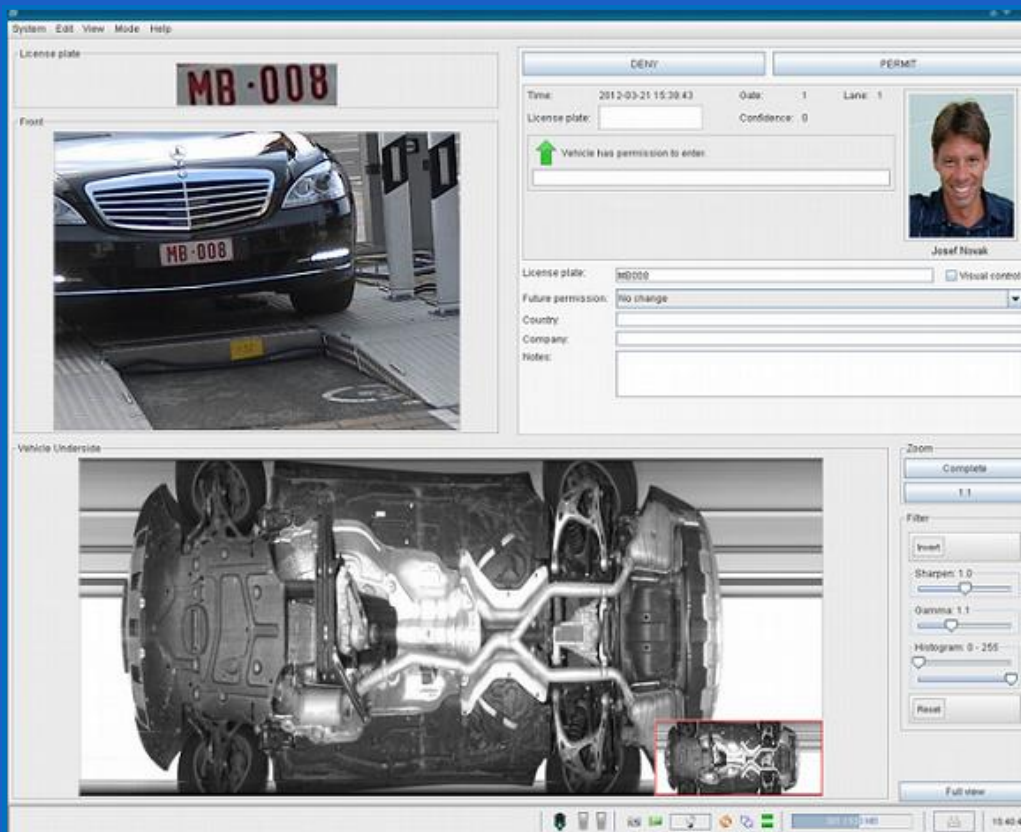
Compare function
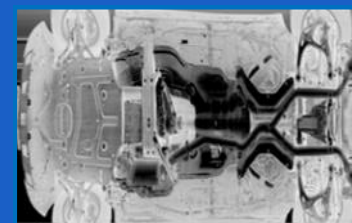
Invert function

Zoom function

User Interface

Sofware provides and operator friendly user interface, from which the guard can inspect all the collected vehicle data in one glance. The user interface provides various options to further inspect the underside image, and/or to add relevant information manually to the file. Our unique software technology provides the operator with various functions to control and optimize the image, such as the invert function. It also provides zoom function, so the operator can recognize details up to a size of 5 mm (0.2 ").

Advantages of LED Infrared Lightning Advantages of Monochrome Technology

- ■ **Unique and high contrast images**
- ■ **Invisible to the human (terrorist) eye**
- ■ **Less power to consumption and a much longer life**

- ■ **No "streaks" or "overexposure" of the images**
- ■ **Higher image resolution, better zoom results**
- ■ **Faster image processing**

We are holders of certificates and marks:

QUALITY MANAGEMENT SYSTEM ČSN EN ISO 9001
ENVIRONMENTALMANAGEMENT SYSTEM ČSN EN ISO 14001
HEALTH MANAGEMENT SYSTEMOHSAS 18001
NATIONAL SECURITY AUTHORITY CERTIFICATION
CZECH DEFENCE STANDARD CERTIFICATION ČOS 051622 (AQAP 2110)
MEMBER OF THE ECONOMIC CHAMBER OF THE CZECH REPUBLIC

Verze: 10.15 EN