

# UVIS (Surface-Mount)

**perceptics**  
imaging technology solutions

## Inspect. Detect. Protect.™

Now you can perform a safe, rapid and thorough examination of the undercarriage of passenger and commercial vehicles with the [Perceptics Under Vehicle Inspection System \(UVIS\)](#). Considered to render the most detailed image in the industry, the surface-mounted UVIS system consists of a single high-resolution color line-scan camera, which greatly enhances your ability to detect devices or modifications to the vehicle's undercarriage.

Once the vehicle completely clears the scanning device, a high resolution, true-color, seamless digital image of the vehicle's undercarriage is sent to the database which quickly allows you to see the undercarriage as a whole or zoom in on any area for a closer look.

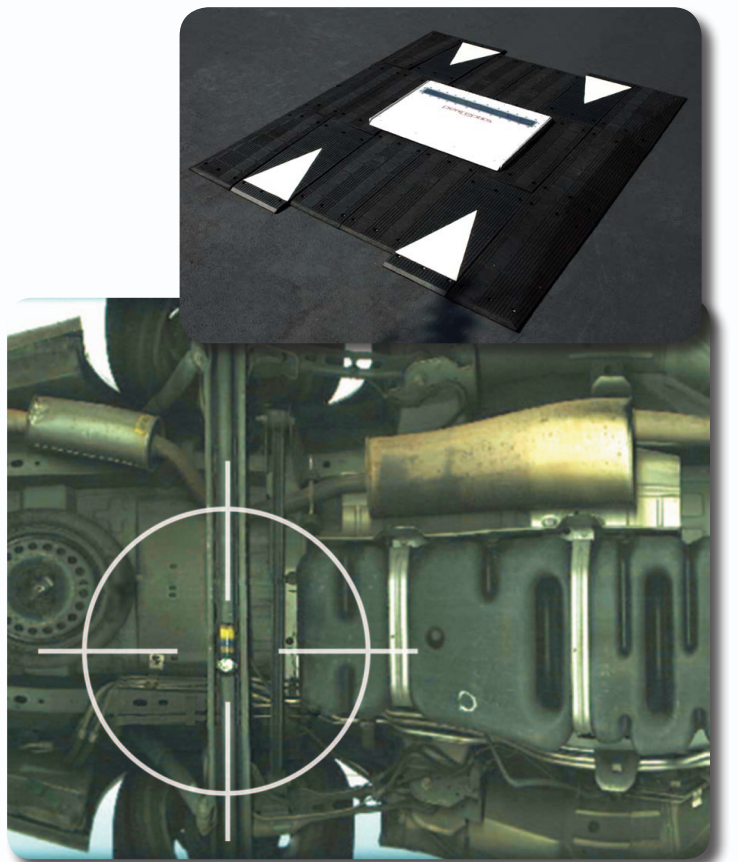
The surface-mounted UVIS system bolts into the ground and is ideal for facility access control; secondary or overflow inspection lanes; or, where an in-ground UVIS system installation is not feasible.

The [VIS software](#) provides a rapid way of viewing images and comparing captured images to previous vehicle transactions.

## Benefits & Features of the Perceptics UVIS

The [Perceptics UVIS](#) stands apart from our competition for several reasons:

- 4K resolution line-scan camera is the best in the industry and provides true-color digital image of vehicle's undercarriage
- Bi-directional vehicle traffic utilization
- Capture a single seamless image for accurate detection
- Provides 12X zoom capability
- Modular, surface-mounted vehicle ramp system and steel frame accommodate small passenger cars with low undercarriage clearance and commercial trucks
- Scalable network architecture allows system to be used as a stand-alone or to be integrated with other security and access control devices
- Optional fiber optic cable allows unlimited stand-off distance from scanning unit
- Optional scene camera provides color image of vehicle to match with undercarriage image
- Optional database provides ability to search for images based on user defined criteria, such as license plate and vehicle model



## UVIS Concept of Operation

The surface-mounted UVIS automatically detects the presence of vehicles and captures a color digital image of both the vehicle's undercarriage and the vehicle as it passes over the system.

## Vehicle Inspection System (VIS) Software

Once the images are captured, they are saved to the database for fast and easy access via the optional [Vehicle Inspection System \(VIS\)](#) interface. You may easily view the images and use the enhancement features (zoom, brightness, contrast) to make the images as readable as possible. Compare the images with previously stored images using the compare function and user defined search parameters. The images are automatically archived by the database for access at any time.

## License Plate Reader (LPR) System

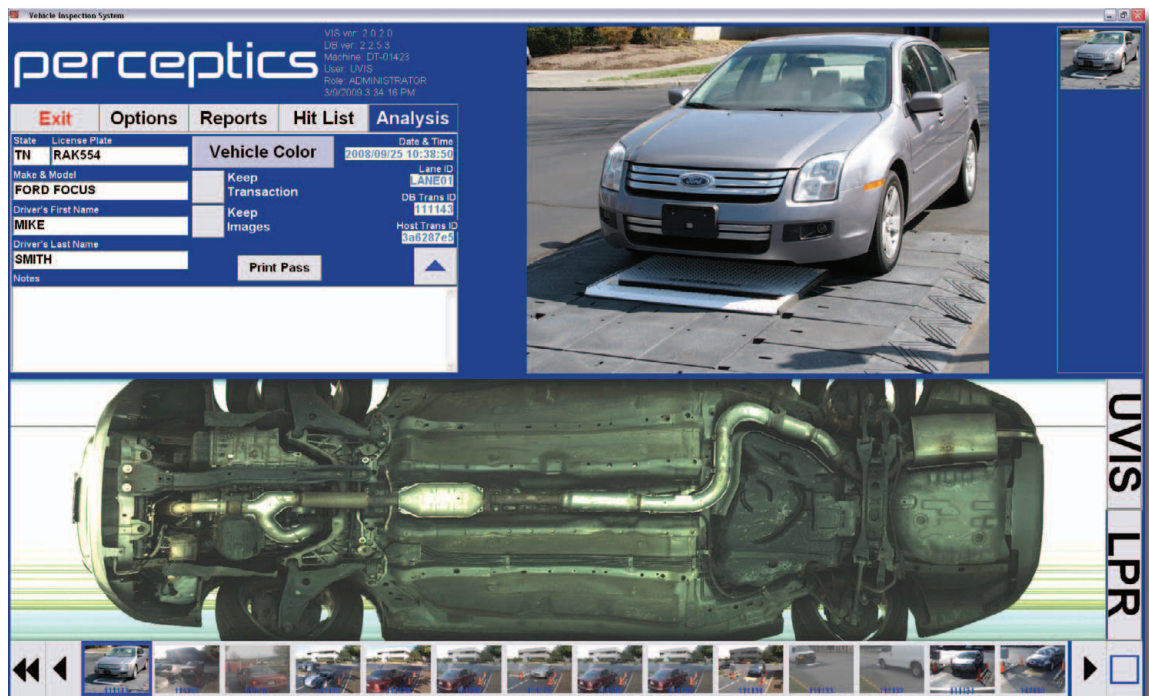
When the UVIS is integrated with Perceptics' optional [LPR System](#) for enhanced facility access control, the integrated system's sensors automatically detect a vehicle's presence; triggers the UVIS to create a seamless image of the vehicle's undercarriage; and, triggers the [LPR system](#) to scan the vehicle's license plate. The [VIS software](#) presents a single graphical display of all system images and vehicle data for the security operator.

## UVIS Technology Advancement

[Perceptics' UVIS](#) technology continues to evolve and improve over time. One of the primary benefits associated with the latest generation of Perceptics technology is the ability to configure components and transfer results and images across the local area network (LAN) via Ethernet communications. Using this technology, operating speeds have been increased, stand-off distances extended, and on-board diagnostics can provide equipment status information in real time.

## A typical surface-mounted UVIS installation consists of the following system components:

- Modular surface-mounted vehicle ramps, stainless steel frame and the weatherproof Under Vehicle Imager (UVI)
- Portable power and communication unit (PCU)
- Optional workstation with [VIS software](#)
- Optional scene camera assembly



ISO 9001:2008 – Certified Quality Management System

UVISSM0911 for version control

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