



# GKH-1011 AUVIS

## Mobile - Dual View

### Technology

Gatekeeper's patented AUVIS technology rapidly scans a vehicle's undercarriage and automatically:

- Identifies the vehicle's make and model,
- Detects any foreign objects or modifications,
- Highlights these changes, and
- Alerts personnel of any threats – all in a matter of seconds.

### Applications

Quick and easy to install, the GKH-1011 is the solution for:

- checkpoints/installations where roads cannot be dug up
- events that require a higher level of security
- situations where mobility is required
- checkpoints that occasionally need to be moved.



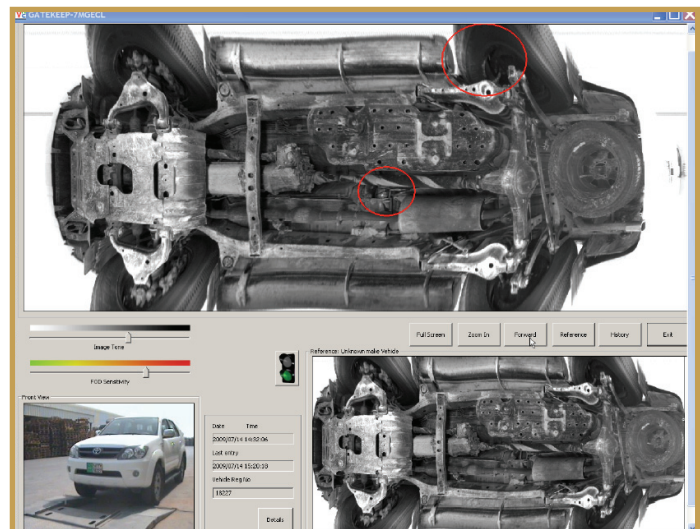
### Product Summary

The GKH-1011 Automatic Under Vehicle Inspection System (AUVIS) is the mobile solution for the fully automatic identification of threats or modifications to a vehicle's undercarriage. Vehicles drive over the dual view scanners while Gatekeeper's systems compile two high-resolution, virtual 3-D digital images of a vehicle's undercarriage to create the vehicle's digital "fingerprint." Two views make it easier to see any threatening objects that may be hidden on top of an axle or crossbeam. An overview/driver camera captures the normal view of car/driver and displays this on the high-resolution touch screen.

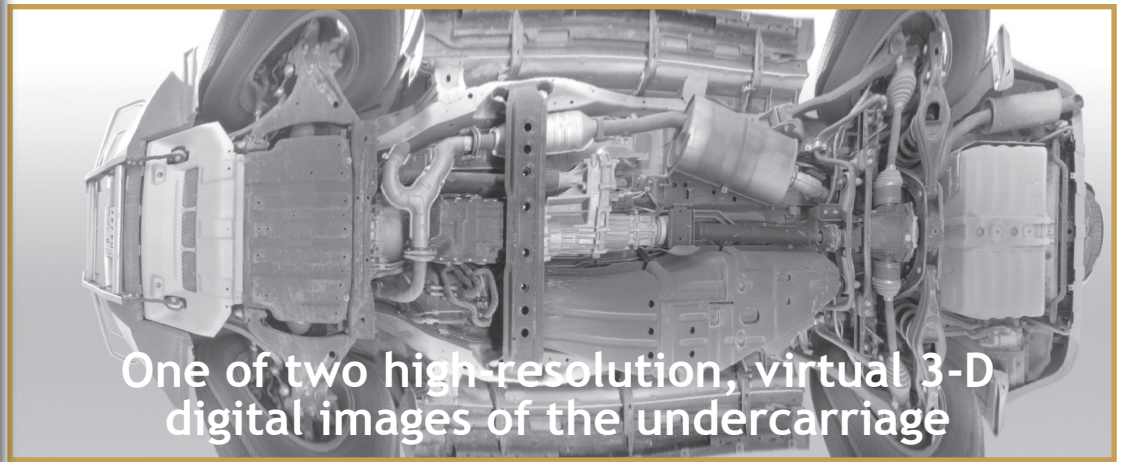
After the vehicle has cleared the scanning device, it only takes 2-3 seconds for Gatekeeper's Automatic Foreign Object Detection software to automatically compare the subject vehicle's undercarriage to a safe vehicle (stored in the database) and display both on the screen. The system then immediately identifies any foreign objects or modifications to the undercarriage by circling them with a red ring (see below) AND activating an audio and/or visual alarm.

### Operator Screen / Undercarriage Views

The operator screen displays the overview/driver image in color (right). The undercarriage views are displayed in monochrome (right and on next page) allowing for more pixel detail and thus better resolution than color images. Since Gatekeeper's automatic systems rely on computers to analyze the images and not the human eye, monochrome is superior to color.



**Gatekeeper, Inc.**  
45975 Nokes Blvd., Unit 115  
Sterling, VA 20166  
USA  
Phone: +1.703.673.3320  
Fax: +1.703.673.3329  
[www.gatekeepersecurity.com](http://www.gatekeepersecurity.com)



One of two high-resolution, virtual 3-D digital images of the undercarriage

### **Components**

- Mobile platform
- Dual view scanning system (includes AUVIS image stitching software, automatic change detection software)
- Database (includes Watch List for wanted vehicles, Vehicle Verification vs. License Plate, etc.)
- Embedded networking capability
- Integrated devices (cameras, traffic light, etc.)
- 19" daylight readable, LED back lit, touch screen

### **System Integration and Additional Capabilities**

The system can be integrated with weigh-in-motion scales, GatePost biometric systems (fingerprint, etc.), facial recognition, license plate reader, RFID identifier, Smart Card reader, barriers (road blockers, cats claw, bollards or similar) and many other entry control point technologies.

### **Why Gatekeeper?**

- Gatekeeper manufactures the only fully automatic under vehicle inspection system in the world.
- Gatekeeper products will give you peace of mind with automatic and highly effective systems that take a lot of the burden off security personnel by making the search process efficient, thorough and easy.
- Other obsolete technologies like video streaming or line scanning have been proven to be unreliable as an inspection technology due to poor performance and the fact that they rely on the human operator to identify the vehicle and try to find threatening anomalies. Relying heavily on human knowledge, attention span and intervention as your primary form of inspection is not advisable.
- Global Reach Service: Gatekeeper's technical support staff can directly service any of its systems 24/7 via broadband Internet access to assist the operator, download software upgrades, run system checks and assist with database management.
- Gatekeeper's highly regarded security systems currently help safeguard critical infrastructure such as: royal palaces, embassies, petroleum facilities, nuclear stations and 5-star hotels (just to name a few).
- Tested, approved and used by the U.S. Military. Gatekeeper's rugged and reliable systems operate in extreme environments from the harsh cold of Russia to the heat and humidity of the Middle East.

**Note: Complete specifications available upon request**

**[www.gatekeepersecurity.com](http://www.gatekeepersecurity.com)**