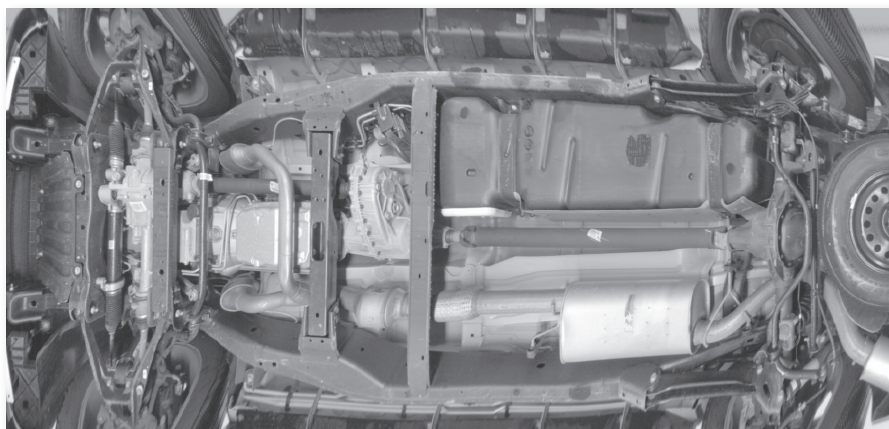


IVUS

Intelligent Vehicle Undercarriage Scanner™



Gatekeeper's Intelligent Vehicle Undercarriage Scanner (IVUS)™ uses advanced signal processing, generates a “digital fingerprint” to automatically inspect a vehicle's undercarriage to identify make and model, detect foreign objects and anomalies, and provide alerts regarding potential threats—all within a matter of seconds.



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

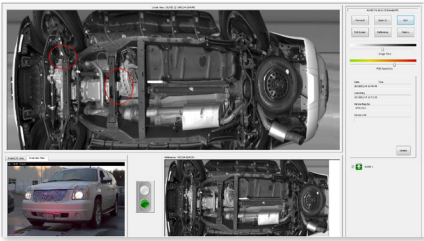
Vehicles drive over the dual-view scanner while Gatekeeper technology compiles two high-resolution, virtual 3-D digital images of a vehicle's undercarriage to create the vehicle's digital “fingerprint.” Two views make it easier to see any threatening objects that may be hidden on top of an axle or crossbeam. 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 typically takes less than 3 seconds for Gatekeeper's Automatic Foreign Object Detection software to automatically compare the subject vehicle's undercarriage to a reference image (stored in the database) and display both on the screen.

Why Gatekeeper?

Since 2004—with over 1500 installations in more than 30 countries—Gatekeeper has the depth and breadth of experience that ensures our systems perform at unprecedented levels of accuracy, availability and reliability. Our quality management and commitment to providing customer solutions mean our systems—proudly made in the USA—function without fail in the harshest of operating conditions. State-of-the-art research and development facilities staffed with highly credentialed scientists and engineers keep us on the cutting edge of intelligent optical inspection technology. With numerous patents granted and pending, we continue to lead the field in intelligent optical inspection technology innovations. Gatekeeper systems protect life and property at many of the most recognizable landmarks around the world.

- Trusted by the US Defense Department, Pentagon and scores of other military facilities in the US and overseas.
- Relied on by The US Dept of Homeland Security to protect its headquarters as well as countless sensitive facilities.
- Industry leader in border security—with over 2.5 million vehicles inspected at border crossings each year.
- Protecting several globally recognized hotel and resort chains and properties.
- Deployed at more royal palaces, presidential residences, embassies and critical government buildings than any other similar technology.



The system then immediately identifies any foreign objects or modifications to the undercarriage by circling them with a red ring AND activating an audio and/or visual alarm.

Components

IP68 rated dual-view scanning system: includes IVUS™ image stitching software and automatic change detection software

Database: supports watch lists for wanted vehicles, vehicle verification, license plate registry, event logs, etc.

Networking capability: connects LAN/WAN remote units nearby, across town, and around the world

Integrated devices: IVOD™ cameras, traffic lights, etc.

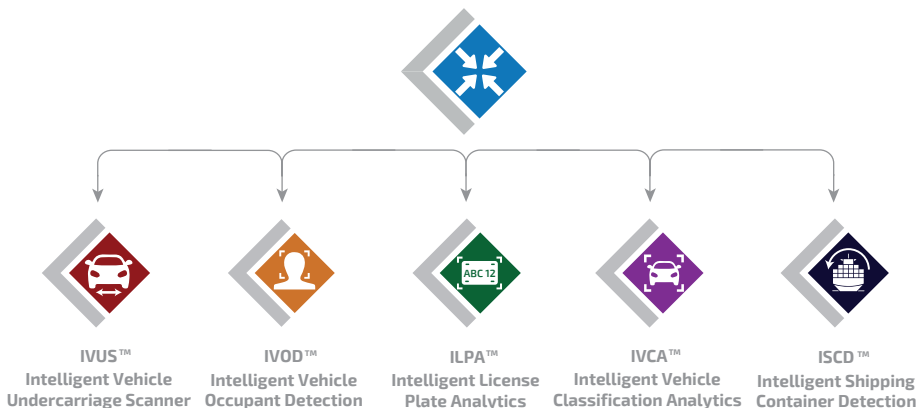
Operator Terminal: daylight readable, LED back lit, touch screen

System Integration

The system can be integrated with weigh-in-motion scales, X-ray backscatter systems, biometric systems (fingerprint, facial recognition), license plate readers, RFID, Smart Card readers, barriers (road blockers, tire claws, bollards, etc.) and many other entry control point technologies.

Multi-Factor Intelligent Security (MFIS)™

Increased security through one integrated platform designed to identify potential risks across vehicles, occupants, and cargo simultaneously to deliver the actionable intelligence that matters most. MFIS™ pulls a variety of security factors together with multiple levels of analysis for faster throughput and higher security at border crossings, ports of entry, and transportation hubs.



IVUS™
Proven Results

IVUS Embedded™

For permanent, non-intrusive installations the IVUS Embedded™ is the ideal solution for automatic identification of modifications to a vehicle's undercarriage.

IVUS Mobile™

For checkpoints and installations where roads cannot be dug up or situations where mobility is required and checkpoints need to be moved, IVUS Mobile™ is the ideal mobile solution for automatic under vehicle inspection.

IVUS Tactical™

Delivering all the same performance as our mobile system, the tactical version ships in heavy-duty aluminum deployment cases and comes fully pre-assembled for quick and easy deployment. The system can be put in place and brought up and running within 30 minutes, with minimal training required.

Applications

Military Checkpoints, Border Crossings, Airports & Seaports, Hotels & Royal Palaces, Government Buildings, Nuclear Power Plants, Chemical Companies, Installations, Special Events, Temporary Security

