

Client: Eclipse Digital Solutions Limited

Page: Under Vehicle Scanning Systems

Keyword: None

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UVIScan® is renowned the world over for developing the foremost under vehicle inspection systems. Featuring a wealth of superior technological advantages, this innovative technology protects vehicle security within any environment.

Designed to promote the highest levels of security, each of these under vehicle scanning systems feature LED infrared lighting with zero sensitivity to sunlight, low power consumption, a prolonged lifespan and, contrary to halogen lighting, are undetectable to the eye.

Providing a crystal-clear image of the underside of the vehicle, the UVIScan® under vehicle scanning solutions are the preferred by worldwide governmental test agencies and capable of taking images on vehicles of all descriptions – from small cars to 60-foot trucks.

IMAGE:



Crystal Clear UVIScan® Technology

The UVIScan® technology has been specifically designed to for under vehicle scanning purposes and is highly efficient recording images in environments with virtually zero light. We

have invested in grayscale technology for its numerous advantages over colour technology. Including the capability to record images of a higher definition.

Under Vehicle Scanning System Architecture

UVIScan® under vehicle inspection units comprise of a scanning unit, complete with server and workstation each manufactured by UVIScan®, and individual UVIScan® connection cables.

The scanning unit is remains stationary, placed on the outer housing for fixed installations.

Mobile units can also be created with rubber pads or aluminium ramps, should you wish to transfer the unit between locations. Each scanning unit comes equipped with a line camera, mirror and infrared LED lighting unit. The camera is nestled in a small slit located within the scanning unit that allows it to capture the entire underside of a vehicle in moving traffic.

For the scan image to be displayed to scale, the varying undercarriage heights and vehicle lengths are considered. This means that each under vehicle scanning system is perfectly equipped to scan small vehicles or large trucks and lorries.

All scanned images are displayed in high-resolution on the user interface screen. To simplify the correlation between the underside images and the corresponding vehicles, an option UVIScan® front-end image capture camera and licence plate recognition scan are also available.

IMAGE:



In addition to the licence plate recognition, Eclipse Digital Solutions can provide the UVIScan® under vehicle scanning with the following options:

- Central Server
- Additional Workstation
- Automatic Comparison
- Vehicle Guidance of Different Types
- Start and Stop Sensors of Different Types
- Traffic Light

IMAGE:



Standard Stationary UVIScan®



Customised Housing and Topping

User Interface

With a user-friendly interface, UVIScan® under vehicle scanning systems allow any security manpower to quickly and effortlessly inspect the underside of the vehicle in a single glance. In addition, the interface offers further options for a more detailed analysis, and / or to add to relevant information manually.

IMAGE:



The superiority of this technology is further highlighted by the fact that the operator can zoom in to an area as small as 5 mm (0.2 inches) and examine individual elements of the underside of the vehicle. This facilitates fast and efficient detection and analysis of suspicious objects. All data collected by the UVIScan® is automatically stored and time-stamped. Should the UVIScan® system complete licence plate recognition, the licence plate will also be stored with a time stamp, allowing the operator and any security manpower to easier find all data later. Should your environment be visited by reoccurring vehicles, the software can compare an underside image with one already on file. This allows the operator or security manpower to identify potential deviations with a mere glance.

Mobile or Stationary

With both mobile and stationary versions, UVIScan® under vehicle inspection systems can be sold to meet individual requirements.

The mobile system is ideal for temporary deployment at special events, throughout periods of heightened security, and for temporary application at high security locations.

The advantages mobile systems afford include the following:

- Flexible deployment and application
- Ease of transportation, in addition to swift and easy assembly and disassembly
- Available with durable and light aluminium ramps or robust rubber pads
- Available for all weight classes and track widths

IMAGE:



Mobile UVIScan with Rubber Pads
IMAGE:



Mobile UVIScan with Aluminium Ramps

The mobile UVIScan® system can be purchased or supplied as part of a negotiable rental agreement – typically for product demonstrations, exhibitions, and other special events. The stationary UVIScan® system is ideal for fixed installation atop a road surface. The system offers many advantages, including:

- Continuous control of the underside of all incoming vehicles
- Removes the need for operators to use mirrors on a pole or use a potentially wet and dirty inspection well to view the underside of a vehicle
- Applicable to all vehicle weight classes and track widths
- Easy to install – installation depth of a standard scanner being just 15 centimetres

To find out more about UVI® vehicle inspection scanning systems, or arrange for a rental or purchase, call us TODAY on: 08707 605600.