

UVISCAN® GAMMA

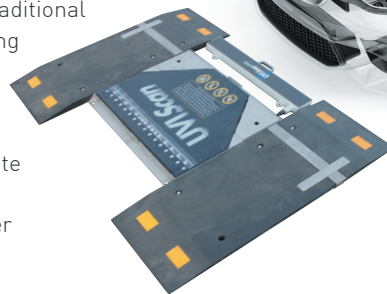
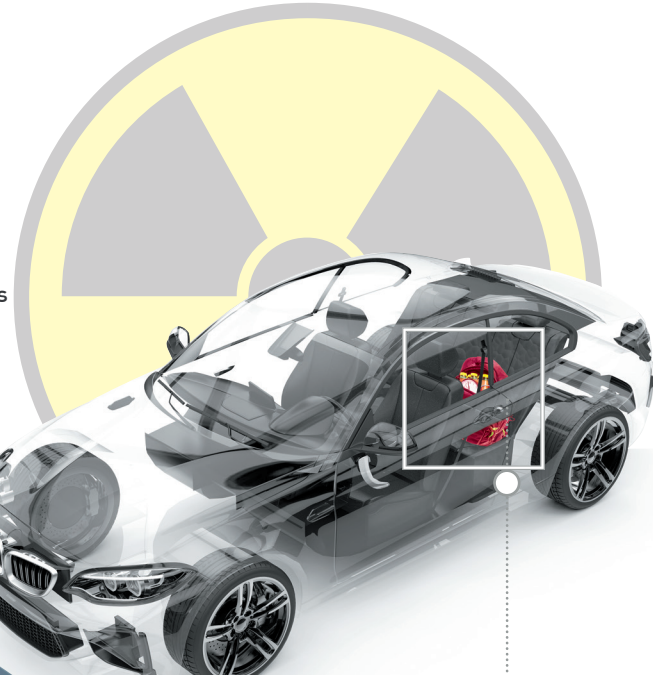
Under Vehicle Inspection System with Radiation Detection Capabilities

Currently, the only way to monitor the inside and underside of the car for Radiation, is a security check by hand, with a hand-held detector device. This procedure is very time-consuming and not very reliable. The results are not filed and cannot be retrieved for further security analysis or follow up.

UVIScan® Gamma is a new, revolutionary technology to detect radioactive objects, both inside and under the vehicle. The technology combines the traditional UVIScan® Under Vehicle Inspection scanning with a Radiation Scan.

When a car is passing the scanner, carrying radioactive material, the system will generate an alarm. The detection of the radioactive material will be clearly displayed on the user interface. The system will even provide an approximate location of the source.

The system has been officially tested according to I.A.E.A. standards. The test protocol and video of the test are available on request, please contact us for more information at info@uviscan.com.



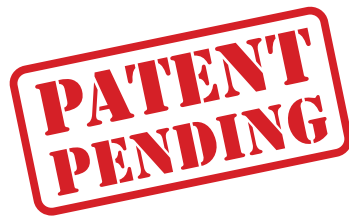
DETECT THE DANGER//



UVIScan® Rapid Deployment workstation displaying UVIScan® Gamma alarm.

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TECHNICAL INFORMATION

UVIScan® Gamma.



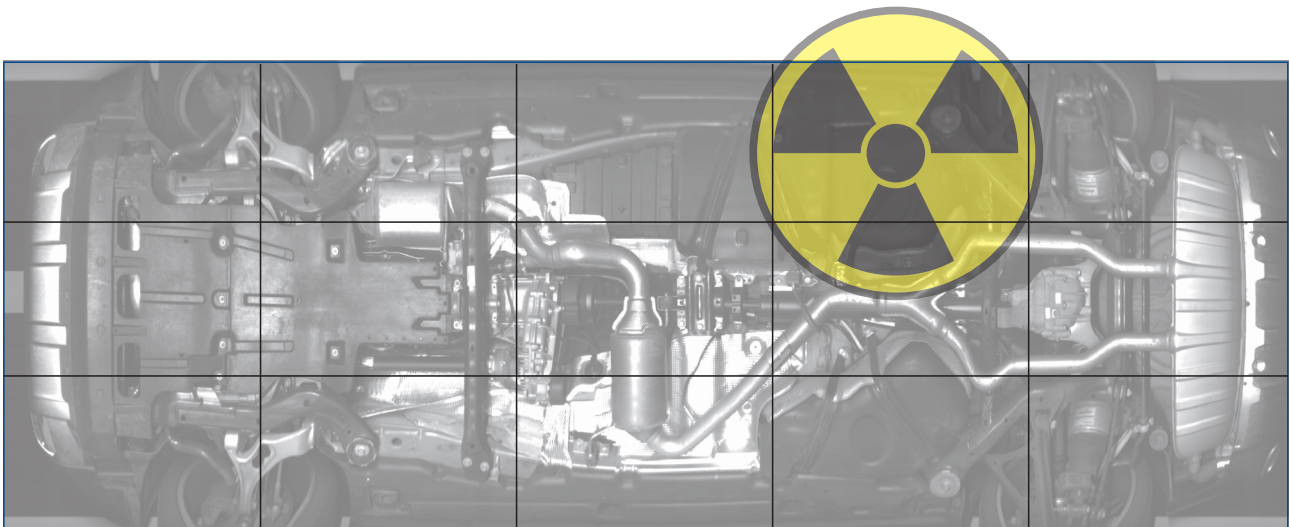
Gamma Radiation detection sensor module, integrated with UVIScan under vehicle inspection system

General

- Casing Tailor made UVIScan Gamma
- Dimensions 1005 x 235 x h60 mm / 39.6 x 9.25 x 2.4 in (with handle)
- Weight 8 kg / 17.6 lbs
- Ingress protection rating IP67
- Operating temperature range from -20°C (-4F) to +70°C (158F)
- Digital interface and power Including UVIScan Gamma PoE cabling and interface
- Alarm indication Visual, with optional audio alarm

Detection

- Indication range of Gamma radiation DER (Dose Equivalent Rate) from 0.01 $\mu\text{Sv/h}$ to 50.0 $\mu\text{Sv/h}$
- Relative error indication – not more than 15%
- Energy range 50 keV to 3.0 MeV
- Minimum detectable activity of ^{137}Cs (no shielding) at 5 km/h vehicle speed when located at the height:
 - 1 m – $5 \cdot 10^5$ Bq
 - 0.5 m – $2 \cdot 10^5$ Bq
 - 0.2 m – $1 \cdot 10^5$ Bq
- Total system sensitivity for ^{137}Cs at 1.0 $\mu\text{Sv/h}$ not less than 5000 cps



UVIScan® PRO with integrated Gamma system, indicating the location of the radiation source inside the vehicle.