VEHANT TECHNOLOGIES

peo DETECTION

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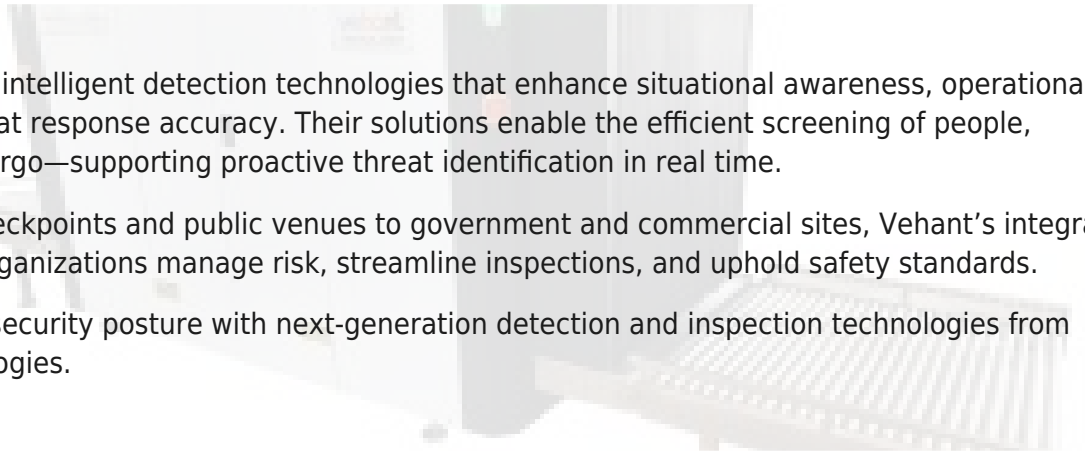
Vehant Technologies

Vehant Technologies is a leading provider of advanced physical security and surveillance solutions, specializing in Explosive Trace Detectors (ETDs), Under Vehicle Scanning Systems (UVSS), and X-ray inspection technologies. Their systems are engineered to support critical infrastructure protection, transportation security, and high-risk facility monitoring.



Vehant delivers intelligent detection technologies that enhance situational awareness, operational speed, and threat response accuracy. Their solutions enable the efficient screening of people, vehicles, and cargo—supporting proactive threat identification in real time.

From border checkpoints and public venues to government and commercial sites, Vehant's integrated systems help organizations manage risk, streamline inspections, and uphold safety standards.

Reinforce your security posture with next-generation detection and inspection technologies from Vehant Technologies.

EXPLOSIVE TRACE DETECTORS

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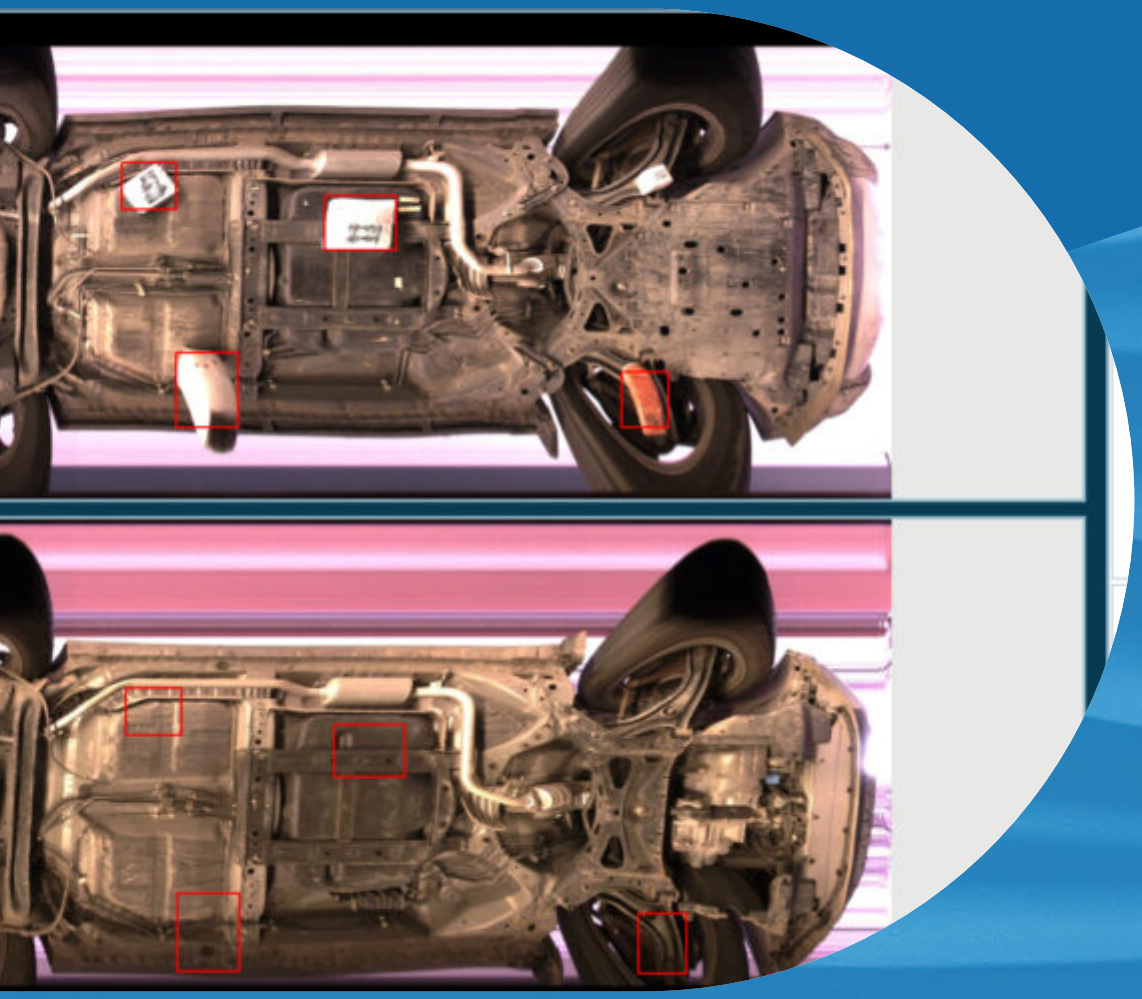
NanoSniffer™ – Explosives Trace Detector

NanoSniffer is a Microsensor based highly sensitive and selective explosive detector in a portable desktop configuration. It can be used to accurately detect a wide range of military, commercial and homemade explosives threats.

It is an advanced and low-cost explosive detector device that efficiently exploits the physical nature of the explosives during detection. It can be easily used for screening passengers & visitors at airports, train stations, and at access control points of critical infrastructure. It is a first of its kind explosives trace detection system based on nanotechnology.

Nanosniffer Explosive Trace Detectors (ETDs) can detect bombs, drugs, narcotics, and dangerous explosive chemicals such as Nitroglycerin, Ammonium Nitrate, and RDX quickly. Vehant's ETDs can differentiate between military, standard, and homemade explosives and categorize them based on their characteristics using various sampling methods. This system aims to identify and prevent individuals who have come into contact with harmful or potentially illegal substances from accessing restricted areas.

UVSS



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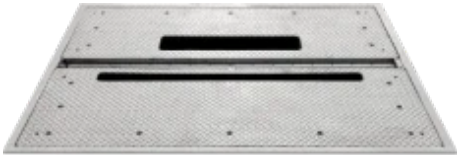
NuvoScan H



NuvoScan (H) is the advanced automated COLOR Under Vehicle Scanning System (UVSS). NuvoScan is based on the latest and highly advanced area scan imaging technology. It uses the combination of high-end electro-mechanical assemblies, cameras, illuminators, and sensors besides NuvoScan's area-by-area image composing software. The visual information captured is synthesized by the system and subsequently produces a high-quality composite underside image of the vehicle to facilitate efficient viewing and detection of any potentially harmful object that may be attached to the underbelly of the vehicle. NuvoScan (H) gives a seamless composite image without distortion, even if vehicle halts completely on top of the UVSS.

Product Features

- High-resolution composite COLOR image
- Air cleaner mechanism for all-weather operation
- Vehicle entry database & reporting features
- Security password protection
- Easy to install
- CE, ISO certified system
- LED array for better illumination
- All weather-proof IP-67 certified underground enclosures

NuvoScan E

NuvoScan® generates a high-resolution SingleView image using advanced electromechanical components, cameras, illuminators, and sensors. Additionally, NuvoScan™ Area incorporates AreaScan mosaicing software to effectively tackle speed and movement challenges faced by LineScan systems. This innovation guarantees the practicality and reliability of NuvoScan®. Remarkably, NuvoScan® produces a seamless composite image without any distortion, even when a vehicle stops completely on the UVSS platform.

Product Advantages

- High resolution composite COLOR image
- All weather proof IP-67/68 certified underground enclosures
- Air cleaner mechanism for all weather operation
- Vehicle entry database & reporting features
- Security password protection
- CE,ISO certified system

Nuvo Scan®3D

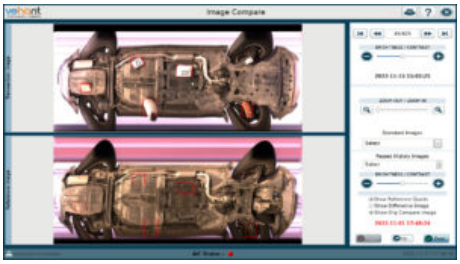
NuvoScan® 3D is an advanced automated 3D viewing Under Vehicle Scanning System, based on the latest dual camera AreaScan imaging technology. It comes packed with some unique algorithms which enhance the user experience manifolds by exploring the 3D aspect of the vehicle's underbelly. In addition to the 3D visualization, one area where the new technology stands out is in bringing forth otherwise hidden or partially occluded objects by showing a dual view of the vehicle, which may not have been the case in the older generation SingleView systems.

Product Features

- Dual imaging feature from (3D) left and right view in order to identify any possible threat
- High resolution COLOR left and right composite images of the vehicle's underside
- Novel view generation feature to see real life 3D visualization of the underside
- Hard-to-view/occluded areas can be scanned easily through 3D UVSS system
- Stop and Go image formation doesn't affect the image quality
- Dual LED array for better illumination
- Zoom facility upto 25X of the composite image to facilitate a closer view of niche areas
- Able to compare both (left and right) views with the help of license plate/type database

DepScan Stereoscopic UVSS (Under Vehicle Scanning)

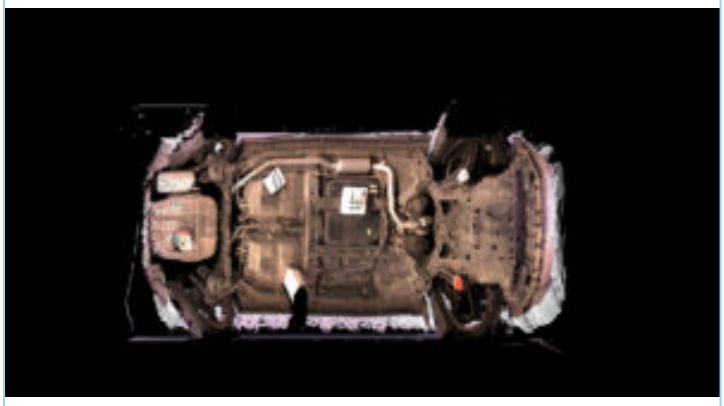
Vehant's DepScan UVSS is the Next-Gen game changing technology for the evergrowing realm of security tech with better efficiency level. Using advanced stereoscopic vision technology, DepScan does depth based comparison using multiple cameras, which are placed side by side to obtain multiple different views of the underbelly of any vehicle. The system generates a point cloud based 3D model which helps to get the relative depth information in the form of a disparity map.

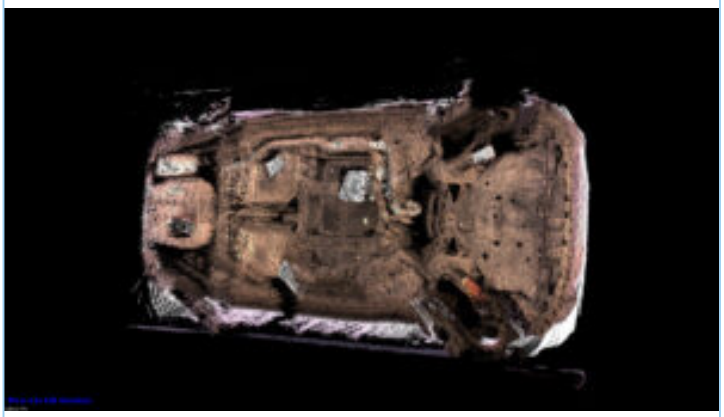


Salient Features

- Advanced stereovision technology
- Generates point cloud based 3D Model
- Gives relative depth information
- High resolution composite COLOR image
- Improves operators efficiency time
- Entry database & reporting features
- Secured password protection

This technology is highly similar to human binocular vision. In the traditional UVSS, the underbelly scanning included inspection of 'x-y' axis, but in this new advanced technology a third dimension 'z' axis is also obtained that helps in differentiating the usual underside with any foreign object by studying the depth of the object. DepScan is equipped with advanced and user friendly GUI.





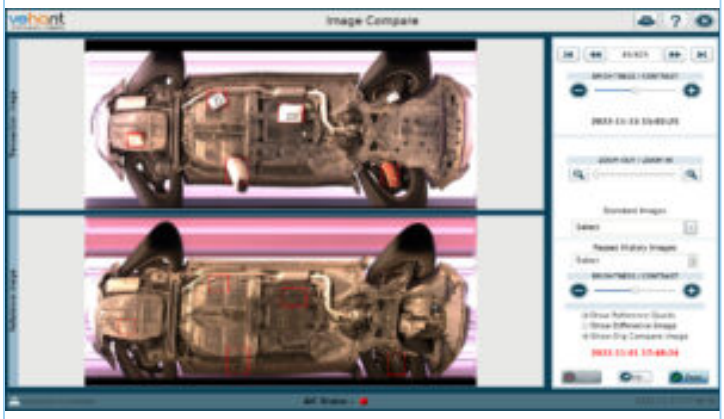
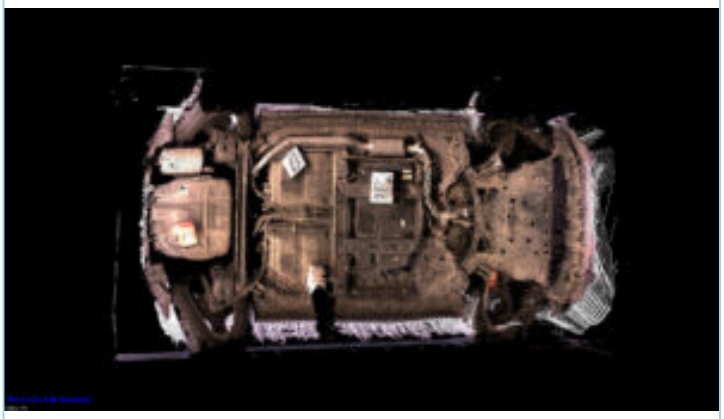


Image Compare




Transaction View
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X-RAY INSPECTION

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Kritiscan® 150180D

The advanced Dual Energy X-Ray Cargo scanner features a tunnel size of 1560 mm (W) by 1860 mm (H) and provides dual horizontal and vertical views of the scanned objects, enhancing the detection of contraband items. This scanner is well-suited for use in airports, warehouses, customs, railways, and ports, offering a non-intrusive method for inspecting cargo. It facilitates the quick identification of potential risks or anomalies, ultimately reducing the time required to clear goods with customs for compliant traders and importers.

Salient Features

- Atomic number based material discrimination
- Self-diagnosis feature
- High density alert feature
- Radiation safe as per International standards
- Horizontal & Vertical view of scanned objects
- Distortion correction through software

Optional Features

- Threat Image Projection (TIP)
- Network Supervisory Workstation
- (NSW) Video management

KritiScan® 6040 – Multi-energy X-ray Baggage Scanner

KritiScan 6040 is the Multi-energy X-ray baggage scanner designed and developed by Vehant Technologies with Tunnel size – 600 mm (W) X 400 mm (H). It is a compact X-ray baggage scanning system ideal for checkpoints and small baggage scanning at high security premises such as Airports, Government offices, Railways, MRTS and other baggage scanning applications. KritiScan offers numerous optional features such as Threat Image Projection (TIP), Network Supervisory Workstation (NSW) & Video management for effective operation.

KritiScan® 180180D

The advanced Dual Energy X-Ray Cargo scanner features a tunnel size of 1850 mm (W) by 1850 mm (H) and provides dual horizontal and vertical views of the scanned objects, enhancing the detection of contraband items. This scanner is well-suited for use in airports, warehouses, customs, railways, and ports, offering a non-intrusive method for inspecting cargo. It facilitates the quick identification of potential risks or anomalies, ultimately reducing the time required to clear goods with customs for compliant traders and importers.

Salient Features

- Atomic number based material discrimination
- Self-diagnosis feature
- High density alert feature
- Radiation safe as per International standards
- Horizontal & Vertical view of scanned objects
- Distortion correction through software

Optional Features

- Threat Image Projection (TIP)
- Network Supervisory Workstation
- (NSW) Video management

KritiScan® 100100 LB

KritiScan® 100100 LB, is a multi-energy X-ray baggage scanner manufactured by Vehant Technologies with a tunnel size of 1000 (W) mm X 1000 (H) mm. KritiScan® is an ideal X-ray baggage scanning system for checkpoints and small baggage scanning requirements at high-security premises such as Airports, Government offices, Railways, MRTS, and other premises checkpoint applications. KritiScan® X-ray baggage scanner has been certified by AERB India in terms of mechanical, electrical, and radiation hazards. It comes with additional features such as Threat Image Projection, Central superior console, and Video management for effective operation.

Product Features

- Atomic number based material discrimination
- Distortion correction through software
- Dual energy based virtual imaging
- High accuracy of detection
- High penetration feature
- Lockable console table
- Radiation safe as per AERB
- Self-diagnosis
- Sophisticated image capture, display & archival
- Threat Image Projection

KritiScan® 100100

KritiScan® 100100 is a multi-energy X-ray baggage scanner manufactured by Vehant Technologies with a tunnel size of 1000 (W) mm X 1000 (H) mm. KritiScan® is an ideal X-ray baggage scanning system for checkpoints and small baggage scanning requirements at high-security premises such as Airports, Government offices, Railways, MRTS, and other premises checkpoint applications. KritiScan® X-ray baggage scanner has been certified by AERB India in terms of mechanical, electrical, and radiation hazards. It comes with additional features such as Threat Image Projection, Central superior console, and Video management for effective operation.

Product Features

- Atomic number based material discrimination
- Distortion correction through software
- Dual energy based virtual imaging
- High accuracy of detection
- High penetration feature
- Lockable console table
- Radiation safe as per AERB
- Self-diagnosis
- Sophisticated image capture, display & archival
- Threat Image Projection

KritiScan® 7555

KritiScan® 7555 is designed for security checkpoints and locations requiring small baggage scanning, such as Airports, Government offices, Railways, MRTS, and other checkpoint applications. This X-ray baggage scanner is certified by AERB India for mechanical, electrical, and radiation safety. It also includes features like Threat Image Projection, Central superior console, and Video management for efficient operation.

Salient Features

- Atomic number based material discrimination
- Distortion correction through software
- High accuracy with computer vision technology
- High penetration feature
- Lockable console table
- Radiation safe as per AERB
- Self-diagnosis
- Sophisticated image capture, display and archival
- Threat Image Projection