

UVSS

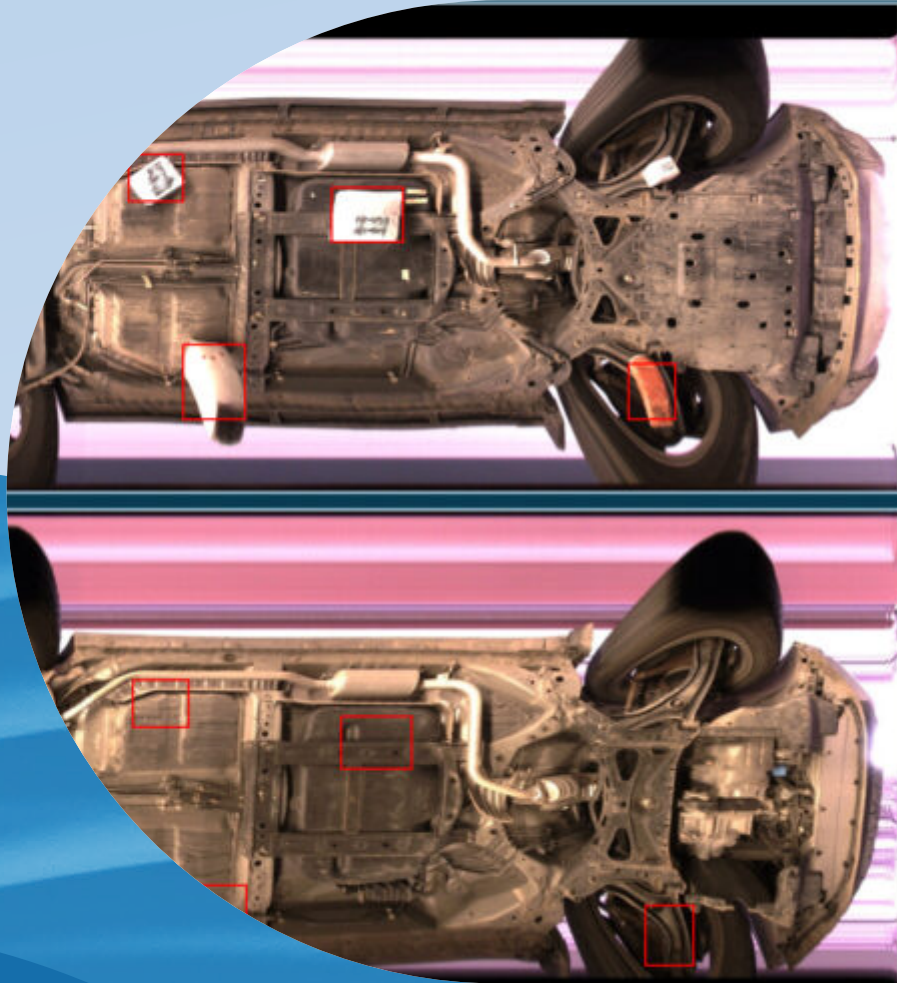


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Vehant Technologies is a leading provider of advanced physical security and surveillance solutions, specializing in Explosive Trace Detectors (ETDs), Under Vehicle Scanning Systems (UVSS), and X-ray inspection technologies. Their systems are engineered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

Product offering

NuvoScan H



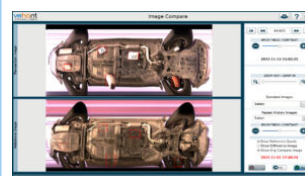
NuvoScan E



Nuvo Scan®3D



**DepScan Stereoscopic
UVSS (Under Vehicle
Scanning)**



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





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

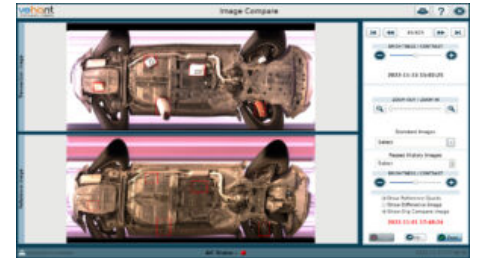
- Dual imaging feature from (3D) left and right view in order to identify any possible threat
- High resolution COLOR left and right composite images of the vehicle's underside
- Novel view generation feature to see real life 3D visualization of the underside
- Hard-to-view/occluded areas can be scanned 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.

