MECHATRONIX

Quality - Reliability & Trust

Under Vehicle Surveillance

Line & Area Scan

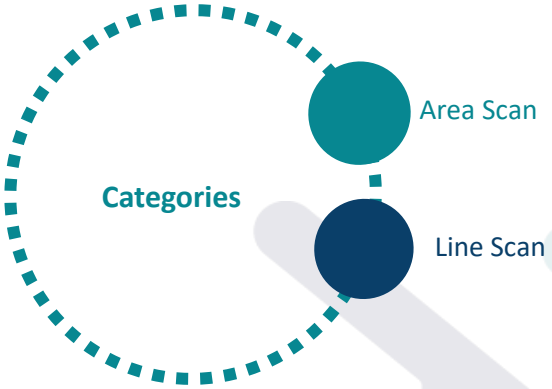
- Warranty & after Sale Service
- All in One Flexible & Smart Solution
- MEX Security & Safety Features

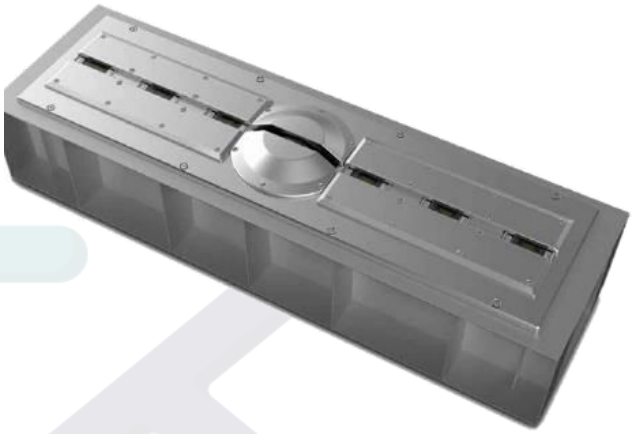
www.mechatronix.com.pk

Under Vehicle Surveillance System (UVSS):

Mechatronix is the premium security provider for Under Vehicle Surveillance.
Mechatronix is providing cutting edge security & Surveillance to the sensitive perimeters. The Solution includes Under Vehicle Surveillance (UVSS), Video Surveillance, Automatic Number Plate Recognition, and Driver Facial Recognition & CCTV Solutions.

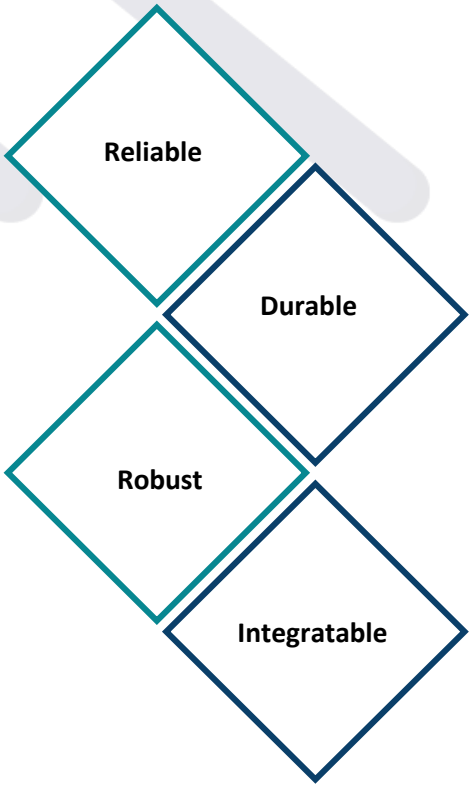
The main Applications are high security risk areas. Military & government places. Hotels & facilities those requiring Entrance under vehicle Checking systems.





Safety & Security Features:

- Intelligent High Quality Automatic Under Vehicle Surveillance Technology
- Automatic Foreign object detection Using Advance FOD Algorithm
- 4096p Resolution High Quality Output Image
- Vehicle Speed up to 60 Km/Hr. – No speed detector required
- Color area scan technology
- Integration with Automatic Number plate Recognition (ANPR) & Driver facial Recognition Cameras
- Operating Environment -40 to 70 degree Celsius
- Easy to integrate & User friendly
- 3-Years Warranty & after sale service with parts under SLA



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Product Description:

There are two main System for under vehicle. The Area Scan UVSS & Linear Scan UVSS. The effective AI based technology scans under the vehicle for explosive devices, objects & weapons either in the form of image or real time video.

Under Vehicle Surveillance is used as an effective way of security without disturbing the traffic flow. The Under Vehicle cameras scans the images or record the video and the system software & database effectively detects objects & generate an output within seconds.

The integration of automatic number plate recognition camera is the most powerful recognition system that reads alphabets, numbers & characters.

The technology is the highly effective AI based solution that inspect objects for any kind of vehicle like cars, vans & trailers. The UVSS eliminates the usage of manual checking of vehicles & physical devices. The generated output is a high quality and accurate. The system software is user friendly & easy to integrate.

Applications:

- Offices & Banks
- Commercial sites & Storage Facilities
- Military & Government Installations
- Corporate Security

- Airports, Stadiums and ports
- Educational Centers & Embassies
- Public transportation
- Other Outdoor Installations

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Models & Designs:

01 Area Scan

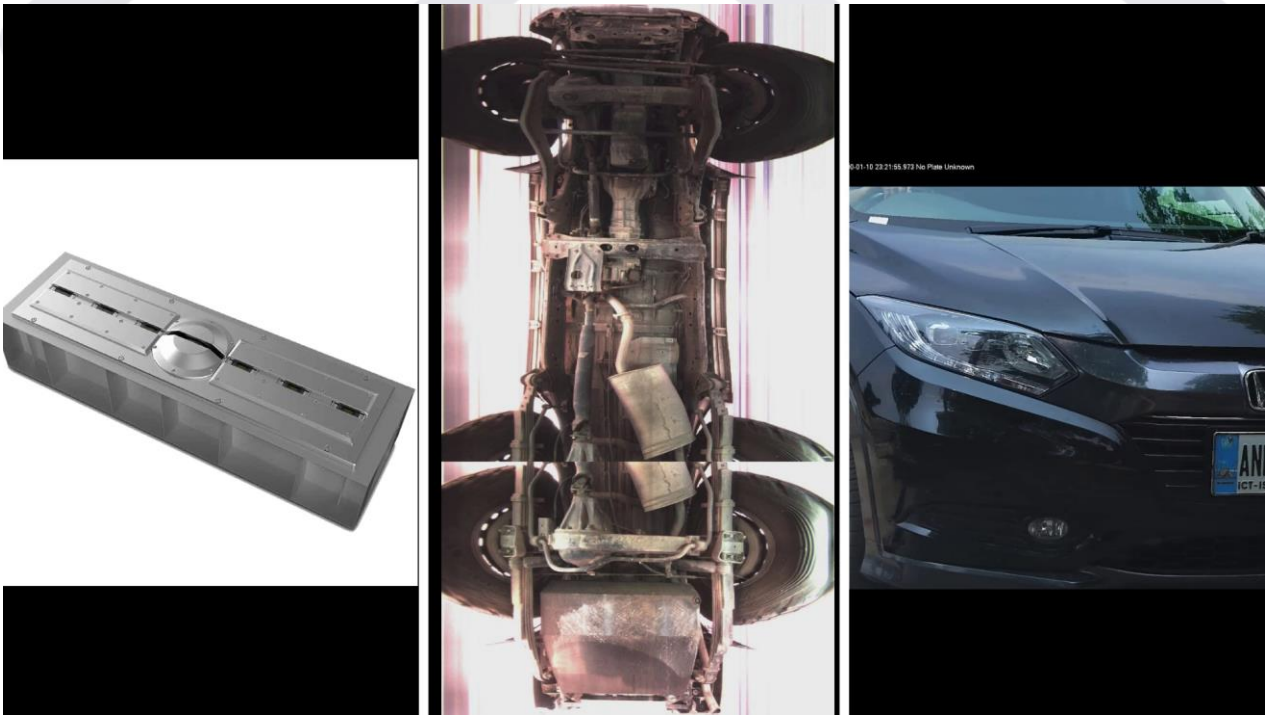
02 Line Scan

Area Scan:

Area scan Under Vehicle Surveillance system (UVSS) scans the 2D image in a single exposure of cycle. It captures both the horizontal & vertical elements.
Area scan cameras are used usually for more general purpose.

Line Scan:

The Line Scan UVSS scans the image in a single shot. It has a single row of pixels. The image is constructed line by line. The quality of images is greater in line scan as compared with Area scan.



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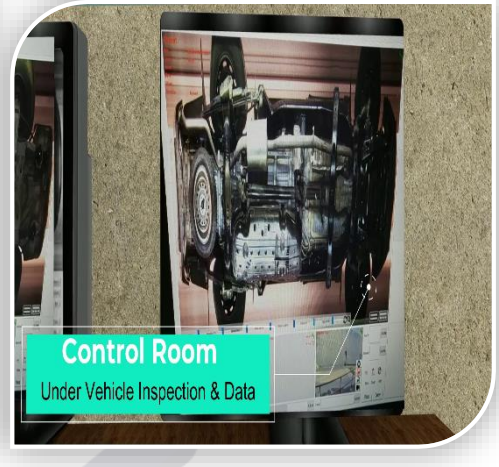
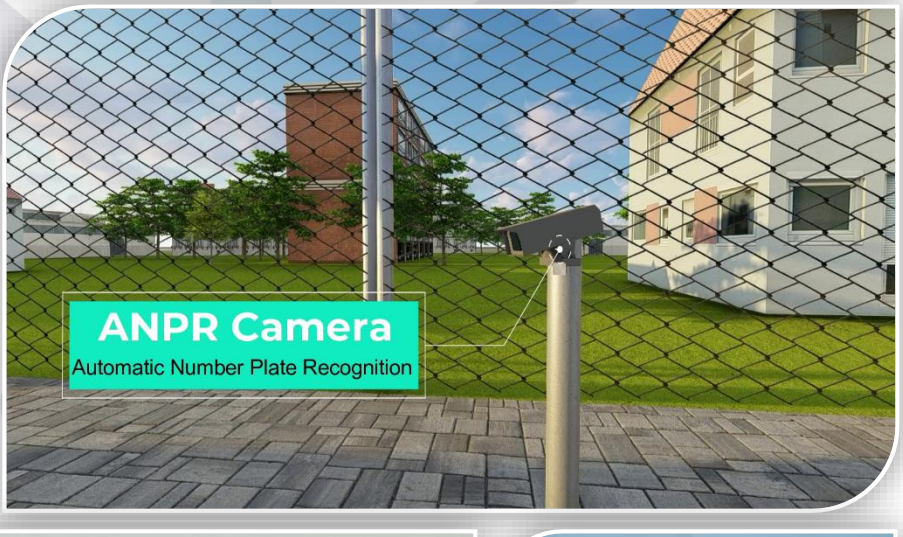
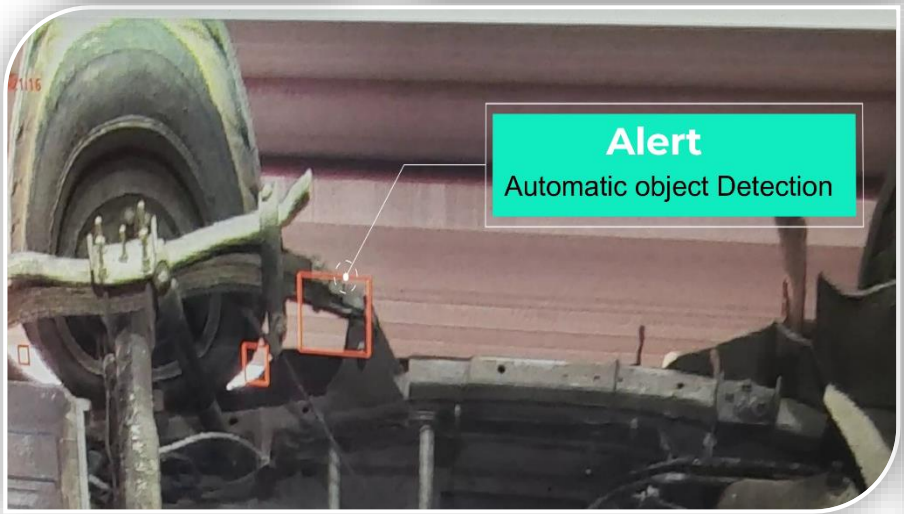
Product Gallery & Integrations:

The Under Vehicle Surveillance system integrates with Automatic number Plate Recognition (ANPR) & Driver Face camera. The System Software generates & indicates foreign object detection.







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