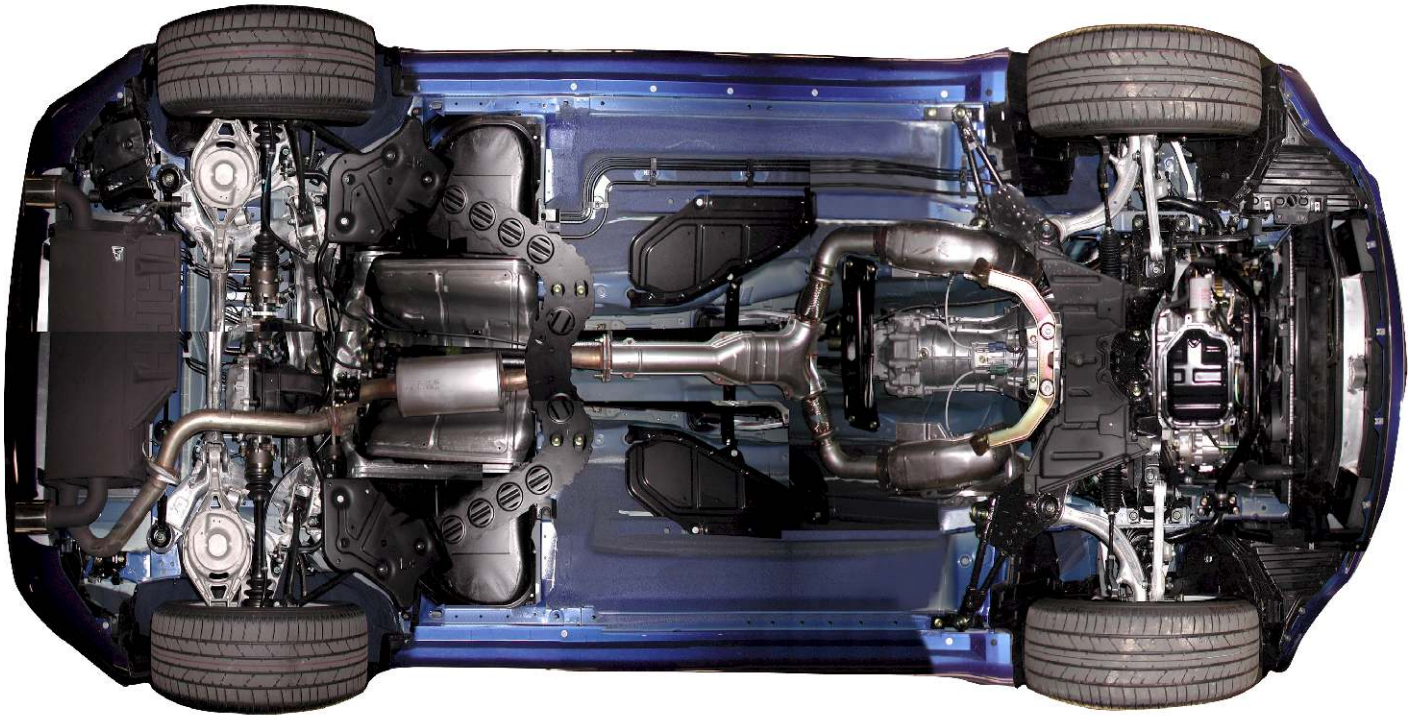# MegaProtect® - 3D

Automated Under Vehicle 3D Scanning System

SALIENT FEATURES

- CE,ISO certified system
- Dual LED array for better illumination
- All weather proof IP-67 certified underground enclosures
- Air cleaner mechanism for all weather operation
- Security password protection
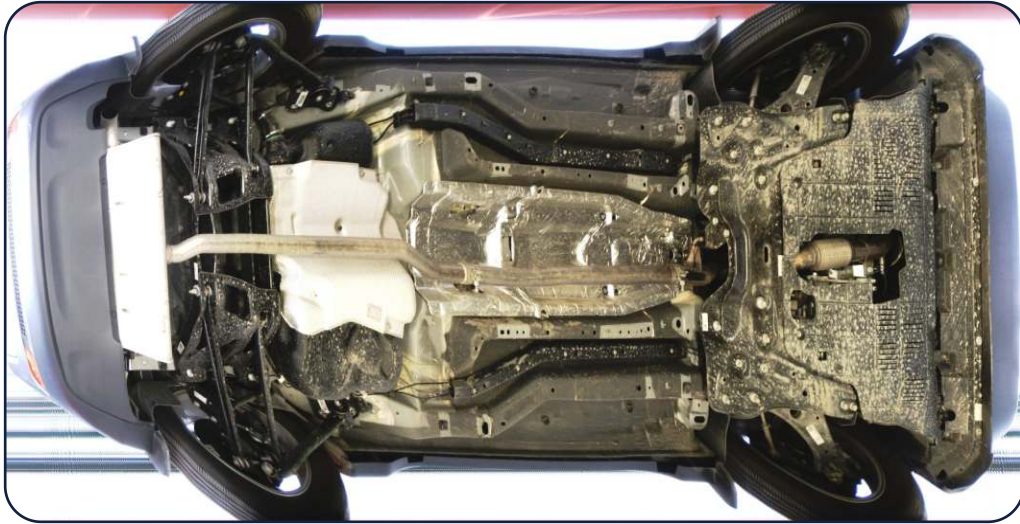- Integrate with others Premises Security Systems* (Boom Barrier, Tyre killer, Bollard)

About TESCON Sicherheitssysteme AG

TESCON Sicherheitssysteme AG, a family-owned company, provides everything from one source: Development – construction – production – commissioning – service. Our core competence covers supplying Physical Security and Perimeter Protection products for the highest security premises like embassies, oil and gas industry, nuclear plants, hotels, military facilities, airports, public places.
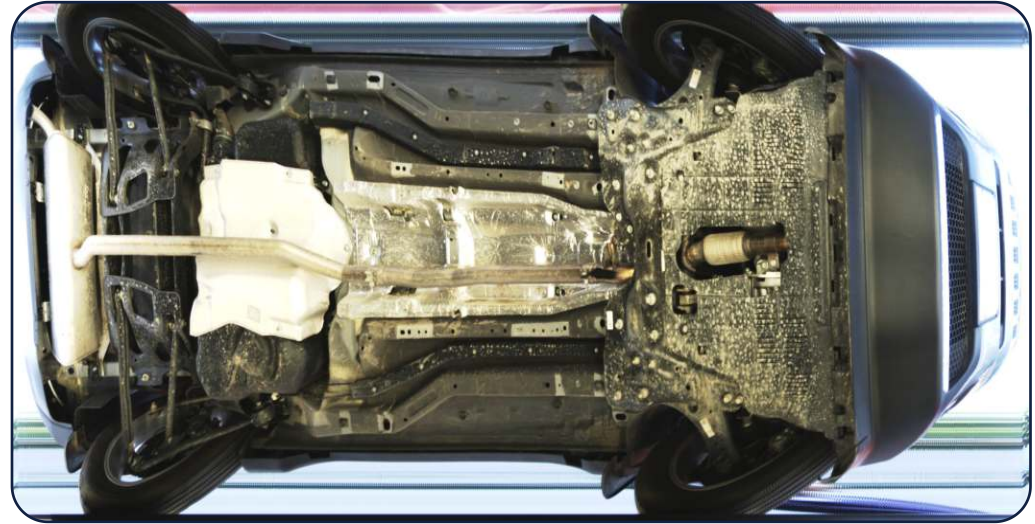
About MegaProtect®-3D

MegaProtect – 3D, is an advance automated 3D viewing Under Vehicle Scanning System based on the area scan imaging technology. It provides an optimum solution to scan, inspect, and digitally document the under side of the vehicles. The system is equipped with dual high-resolution cameras that help in capturing the 3D COLOR view of any vehicle passing over the UVSS. Hard- to- view areas are easily scanned with this dual camera setup within fraction of seconds. Two important features available in the system are 'real time 3D morph' of the underside which allows operator to see multiple angular views of the underside very quickly and 'compare image' which helps in comparison of the captured view of the vehicle with the image of the similar model of the vehicle fetched from the database.
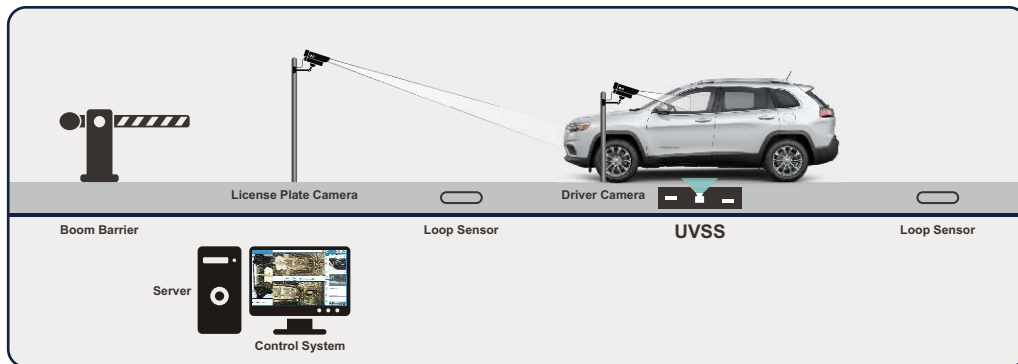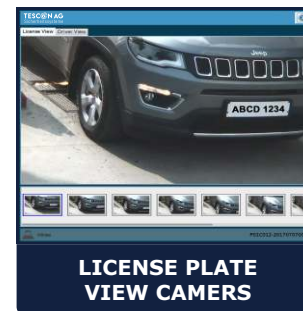
LEFT COMPOSITE VIEW

RIGHT COMPOSITE VIEW

SYSTEM ARCHITECTURE

License Plate Camera
Driver Camera
Boom Barrier
Loop Sensor
UVSS
Loop Sensor
Server
Control System

SYSTEM GUI

LICENSE PLATE VIEW CAMERS

ZOOM IMAGE

KEY FEATURES

➲ Dual imaging feature (3D) from left & right view in order to identify any possible threat
➲ High resolution **COLOR** left and right composite images of the vehicle's underside
➲ Novel morph creation feature to see real life 3D video of the underside
➲ Hard-to-view areas can be scanned easily through 3D UVSS system
➲ Stop & Go Image Formation doesn't affect the image quality
➲ Zoom facility upto 25x of the composite image to facilitate a closer view of niche areas
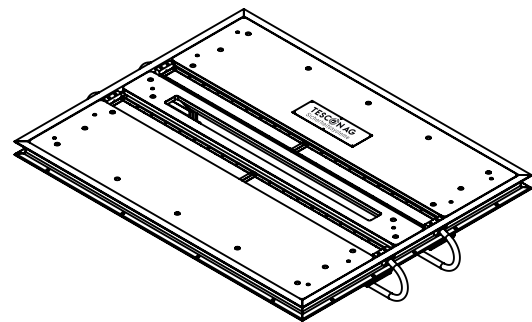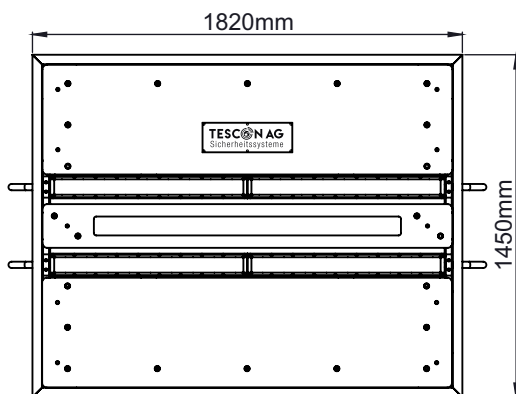
OPTIONAL FEATURES

➲ License Plate View Camera
➲ Driver Image Capture Module
➲ Multilingual Graphical User Interface (GUI)
➲ Integration with Systems like (Boom Barrier, Tyre killer, Bollard)
➲ Remote access feature.

TECHNICAL SPECIFICATIONS

MegaProtect®– 3D

		MegaProtect®– 3D
Main Camera	Imager Resolution Video Format Certifications Power	CMOS AreaScan Sensor 1920x1200 pixels GigE CE compliant 12 V to 24 V DC
License Plate Camera	Imager Resolution Power	CMOS Color Area Sensor 1 MP or better 12 V DC
Mechanical Structure	Material	Structural steel with checkered stainless steel on top
Environmental Protection	Underground Camera & Light Enclosures	IP 67
Control Unit	Processor RAM Hard Disk Capacity PCI/PCIe Slots Display Monitor	Intel i7 3.2 GHZ 16 GB or better 2 TB or better 2 PCI/PCIe Slots 24" Color TFT or better
Sensor Unit	Type Power Requirements Output	Inductive Loop Sensor 220 V AC NO/NC Relay Type
Lighting Unit	LED Light Unit	Input Voltage 220 V AC
Unit dimensions (lXbXh)		1820 X 1450 X 900 (in mm)
Installation and Mounting		Fixed: Underground Installed
Speed Limit		Upto 75 Kmph*
Load bearing capacity		78 Tonnes (GVW)
Operating Temperature		–10 to 55°C (with suitable heating & cooling facility)

*Proper vehicle alignment on UVSS will ensure the quality image

*specifications are subject to change without prior notice

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1820mm

1450mm