

NuvoScan® 3D

Automated Under Vehicle
3D Scanning System - EM



Solution's Brief

- CE, ISO certified system
- High resolution composite images
- Play option for 3D Morphed Composite Image
- Zoom and Brightness/Contrast facility for the composite image
- All weather-proof IP-67 certified underground enclosures
- Vehicle Stop & Go doesn't affect the image quality
- Advanced ANPR system and Driver Image Capture System
- LED Array based Illumination of Underside
- Optional Air Compressor based Automatic Cleaning System
- UVSS water drain system
- Vehicle Entry Database & Reporting features
- Secure login and Access Control for Users

About Vehant Technologies

- Incubated at Indian **Institute of Technology - Delhi (IIT-D)**, India, in August 2005.
- **Inhouse development** - Aviation Security & Safety, Premise Security & Safety, Logistics & Ports, Highway Safety Solutions and Smart & Safe City

500+ People **2** Factories **45+** Pan India Service Locations
80+ Smart & Safe Cities **140+** Global Installations
115+ Airports Installations **2500+** Physical Security Installations
10 Offices Pan India and Netherlands **08** Academia Collaboration

Salient Features

- Advanced automated Under Vehicle Scanning System
- Area scan imaging technology
- Optimum solution to scan, inspect, and digitally document the underside of the vehicles
- Seamless composite image without distortion
- Easily scans and displays Left and Right underside areas within seconds
- Produces novel morphed imaging for hard-to-see areas.
- High resolution **COLOR** composite images
- Packed with unique algorithms to enhance the user experience
- Graphical User Interface (GUI)



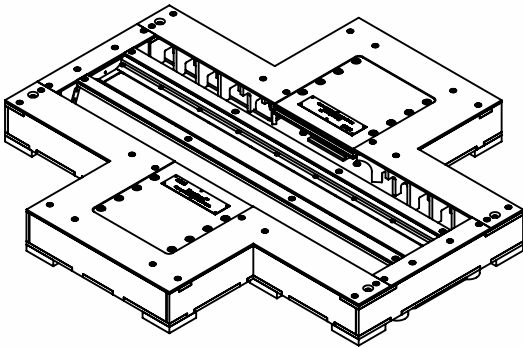
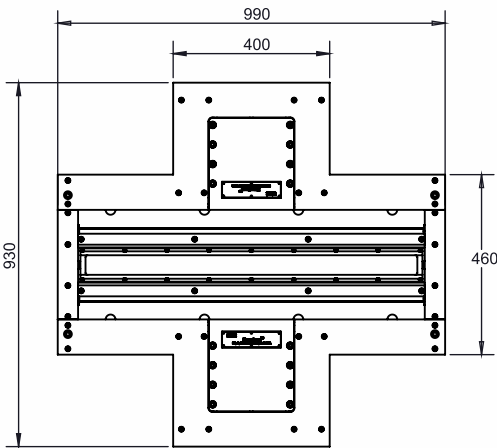
Technical Specifications

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 2 MP or better 12 V DC
Mechanical Structure	Material	Only Structural steel
Environmental Protection	Underground Camera & Light Enclosures	IP 67 or better
Control Unit	Processor RAM Hard Disk Capacity PCI/PCIe Slots Display Monitor	Intel core i7 3.2 GHZ 8 GB or better 1 TB or better 2 PCI/PCIe Slots 24" Color LED 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 (l x b x h)		990 X 930 X 100 (in mm)
Installation and Mounting		Fixed: Embedded
Speed Limit		Upto 25 Kmph
Load bearing capacity		40 Tonnes (GVW)
Operating Temperature		-20°C to 60°C

Optional Features

- Automated License Plate Reader
- Driver Image Capture Module
- Multilingual Graphical User Interface (GUI)
- Remote access feature
- Integration with Systems like (Boom Barrier, Tyre killer, Bollard)

Dimension



*Specifications are subject to change without prior notice

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Vehant Technologies Pvt. Ltd.

B-24, Sector-59, Noida-201301,
Uttar Pradesh, India

- +91-120-4610200
- contact@vehant.com

Vehant Technologies B.V.

Automotive House, Automotive Campus
30, 5708 JZ Helmond, Netherlands

- +31-492703558
- globalsales@vehant.com

Manufacturing Unit

Plot No. B-32, Sector-81, Noida,
Uttar Pradesh-201305, India

- +91-120-4610299
- www.vehant.com