

HomeLand

UNDER VEHICLE SCREENING SYSTEM



Your Security Our First Priority

Digital Video UVSS

Overview

The HomeLand Digital Video UVSS (Under Vehicle Screening System) is the basic and economical solution of UVSS with video based technology. It is specially designed for the security personnel to perform vehicle's undercarriage inspection by monitoring the digitally recorded real time videos; playback function of the captured videos is also available.

High resolution digital videos provide clear live views of the complete vehicle's undercarriage enabling easy detection of any attached packages, explosives and other objects.

Digital Video UVSS is easy to install using standard video and power cables. The system required only minimum maintenance.



Digital Video UVSS Screening Unit

Features & Capabilities

- ✓ Real time videos are processed by the PC based Digital Video Recorder (DVR) which is capable of recording 2 or 4 channels simultaneously.
- ✓ Produce high quality video images within reasonable vehicle access speed of less than 20 km/h.
- ✓ Screen vehicles of all sizes, from saloon cars to container trucks
- ✓ System can be integrated with optional features as a comprehensive security solution
- ✓ Easy maintenance



Digital Video UVSS GUI

Applications

- ✓ Airports / Seaports
- ✓ Palaces
- ✓ Banks
- ✓ Prisons
- ✓ Military Bases
- ✓ Embassies
- ✓ Parliament Houses
- ✓ Courts of Law
- ✓ Custom Checkpoints
- ✓ Stadiums and Hotels
- ✓ Government Buildings
- ✓ Oil, Gas & Petroleum Plants



Digital Colour UVSS

Overview

HomeLand's Digital Colour UVSS is the most advanced technique to view and inspect the undercarriage of vehicles. The system provides the operator with a safe and effective method by presenting a full-length colour image when a vehicle is driven over the Screening Unit. The system exposes the undercarriage of vehicles for any explosive devices, weapons, contraband, personnel, etc.

The reliability and quality of Digital Colour UVSS is proven with worldwide installations in areas such as airports, palaces, military bases, government buildings as well as other valuable premises.

Features & Capabilities

✓ High Quality Colour Image

High resolution digital line scan camera of 4096 pixels provides excellent quality colour image to facilitate easy, fast and accurate inspection in the shortest possible time.

✓ State of The Art Software

The propriety HomeLand Screening Software is developed to screen vehicles of all sizes, from motorcars to container trucks. The undercarriage image can be captured in just 3 seconds.

✓ Capturing at Fast Vehicle's Speed

The system is capable of capturing vehicle travelling speed up to 60km per hour.

✓ Comparison With History Record

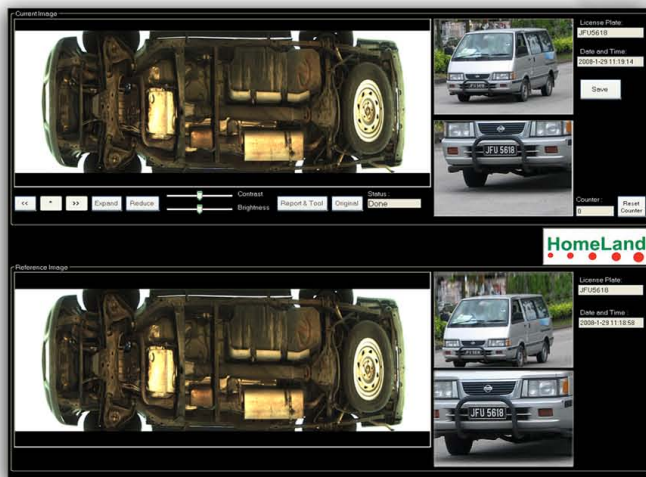
History record of the same vehicle's undercarriage image can be displayed together with the current entry image for visual analysis. This enables foreign objects or any significant modification at the undercarriage of vehicles can be identified immediately.

✓ User Friendly GUI (Graphical User Interface)

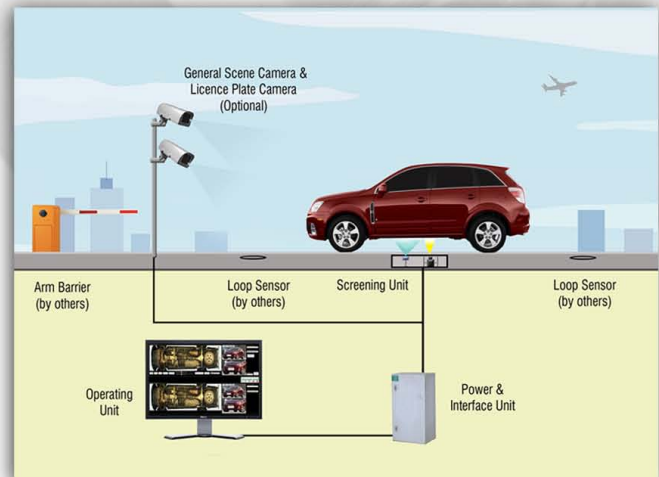
Zoom functions, brightness and contrast controls are provided for quick analysis and scrutinised inspection.

✓ System Integration

Integrating security equipment with Digital Colour UVSS is possible to enhance the level of protection. For example, License Plate Recognition System (LPRS), access control system, vehicle x-ray, etc. can be included to provide a comprehensive security solution.



Digital Colour UVSS GUI



Digital Colour UVSS Operation Diagram

Technical Specifications

DESCRIPTION		DIGITAL VIDEO UVSS	DIGITAL COLOUR UVSS	
Screening Unit	Dimension	Surface Mount: 2400(L) x 550(W) x 75(H) mm	Flush: 1500(L) x 620(W) x 500(D) mm Surface Mount: 2900(L) x 1500(W) x 80(H) mm Portable: 860(L) x 800(W) x 80(H) mm	
	Material	Galvanized Mild Steel	Galvanized Mild Steel	
	Camera - Type	Video Colour Camera	Digital Colour Camera	
	- Resolution	420 TVL, IR colour	4096 pixels	
	- Field of View	100°	120°	
	- Protective Housing	IP 65	IP 65 / IP 67	
	Illumination Type	Halogen Lights	Halogen Lights	
	Operating Unit	Operating System	Windows XP	Windows XP
		Processor	Intel Core2 Duo Processor	Intel Core2 Duo Processor
		RAM	1GB	1GB
Hard Disk		160GB	160GB	
Display		19" LCD	19" LCD	
Operating Software		HL Digital Video Screening Software	HL Digital Colour Screening Software	
Others		Keyboard & Mouse	Keyboard & Mouse	
Power & Interface Unit	Dimension	400(L) x 250(W) x 500(H) mm	400(L) x 250(W) x 500(H) mm	
	Protective Casing	IP 65	IP 65	
Others	Operating Temperature	-5 °C to + 65°C	-5 °C to + 65°C	
	AC Voltage	110 - 120V 60Hz / 220 - 240V 50Hz	110 - 120V 60Hz / 220 - 240V 50Hz	
	Expandability	Future Upgrading is possible	Future Upgrading is possible	

Specifications subject to change without prior notice.

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