

TeleRadio

UVSS

Under Vehicle Surveillance System

Advanced undercarriage inspection system
for explosives, weapons & contrabands



www.uvss.com

UV[®] Series

UV[®] Colour

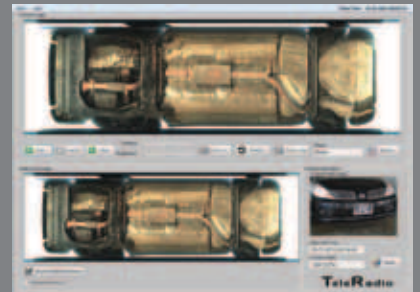
Technology: Linear Image Processing

UV Colour provides a high-quality coloured image for easy inspection of foreign object underneath the vehicle.



Observation Unit (Embedded)

Observation Unit can also be installed as: Surfaced-Mount



GUI



Receiving Station

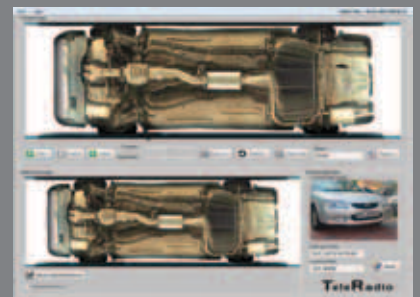
UV[®] Colour Portable

Technology: Linear Image Processing

UV Colour Portable consists of a portable observation unit and a laptop receiving station. It is lightweight and designed for quick deployment of less than 15 minutes.



Observation Unit (Portable Set)



GUI



Receiving Station

Under Vehicle Surveillance System (UVSS) is specially designed to provide a fast and effective means for security professionals to scrutinise the undercarriage of a vehicle without causing great disturbances to the traffic flow. It can be deployed at crucial entry points of buildings or critical infrastructures.

UV2 Monochrome

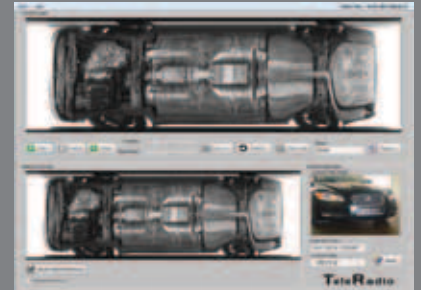
Technology: Linear Image Processing

UV2 Monochrome provides a high-quality black-and-white image of the undercarriage of a moving vehicle.



Observation Unit (Surfaced-Mount)

Observation Unit can also be installed as: Embedded



GUI



Receiving Station

UV1

Technology: Analogue-based Video Processing

UV1 is a basic 2-cctv camera capturing system that captures real-time video format of the vehicle's undercarriage.



Observation Unit (Surfaced-Mount)



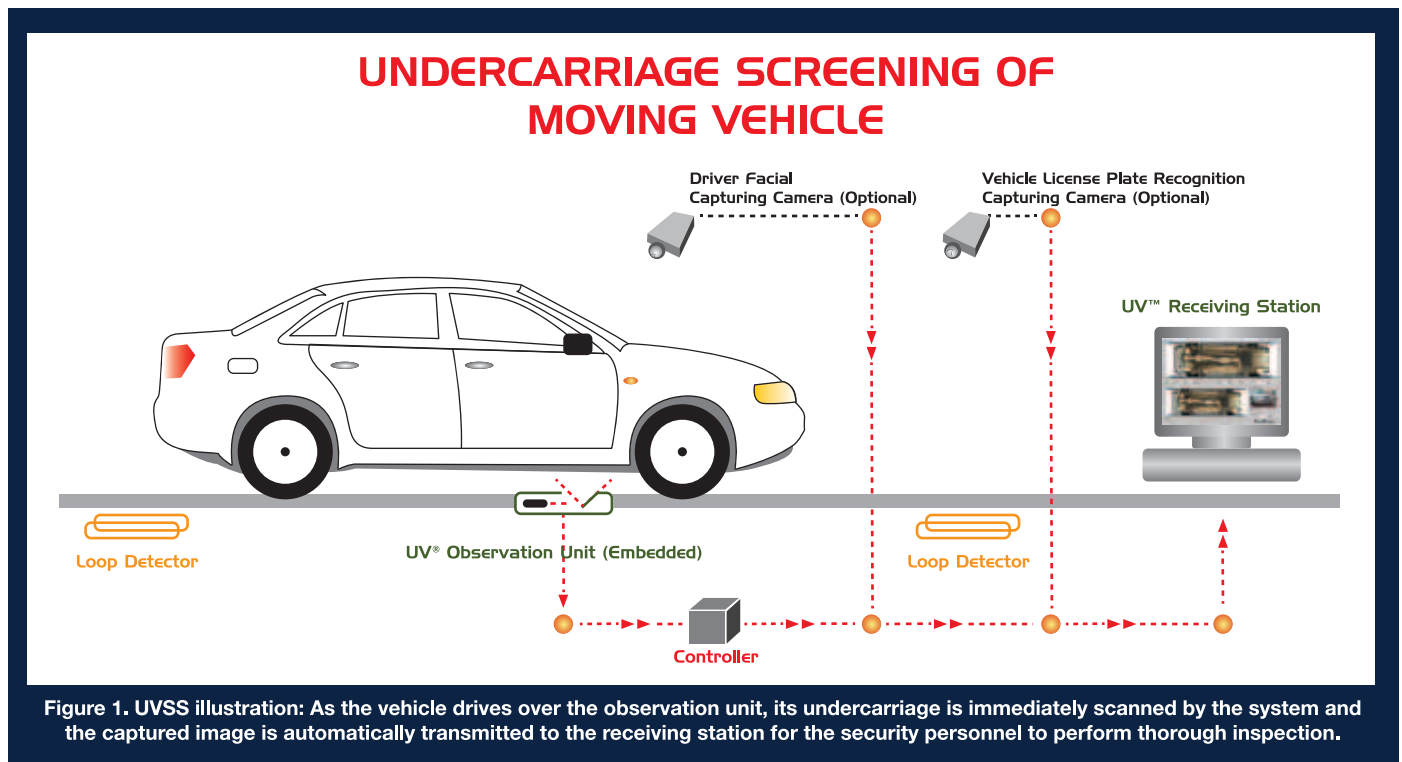
GUI



Receiving Station

UV system consists of Observation Unit (OU) that screens the undercarriage of the vehicle and Receiving Station (RS) that allows viewing, recording, storing and managing images effortlessly.

UVSS Screening



Application

Law enforcement agencies, Ministry of Interior, Ministry of Defence, custom & border checkpoints, parliament houses, palaces, embassies, petroleum plants, banks, hotels, etc.

Highlights & Features

- Scan vehicle travelling up to 60km/hr
- Zoom image up to 16x
- Adjust contrast and brightness of the image
- Retrieve historical data of the vehicle
- Identify vehicle using licence plate number
- Record vehicle's date & time of entry
- Save to External Hard Disk
- 3-second fast inspection time
- Vehicle entry database & reporting feature
- Vehicle search feature
- Security password protection

Optional Features

- Vehicle Licence Plate Recognition
- General Scene Camera for vehicle outlook monitoring
- Driver's Facial Capturing Feature
- Remote Access Feature
- Integrate with access control, vehicle barriers, etc.

Awards & Certifications



**Gold prize winner of Merlion Award
– Safety & Security Asia*



Technical Specifications

Observation Unit (OU)

Model		UV Colour	UV Colour Portable	UV2 Monochrome	UV1
Camera	Sensor Type	Colour Linear CCD	Colour Linear CCD	Monochrome Linear CCD	Colour CCD
	Pixel Size	10 µm x 10 µm with a 10 µm pitch	10 µm x 10 µm with a 10 µm pitch	10 µm x 10 µm with a 10 µm pitch	470 lines
	Resolution	4096 pixels	4096 pixels	1024 pixels	470 TVL
	Power Consumption	800 mA	800 mA	800 mA	200 mA
	Lens	12.5 mm	12.5 mm	12.5 mm	2.9 mm
	Field of View	100°	100°	100°	79°
Lights	Type	LED	LED	LED	Halogen
Dimension	Observation Unit	250 x 250 x 72 mm	846 x 820 x 83 mm	250 x 250 x 72 mm	250 x 550 x 75 mm
	Lighting Unit	900 x 50 x 45 mm	Built-in	900 x 50 x 45 mm	Built-in
Material		Stainless Steel	Stainless Steel	Stainless Steel	Mild Steel
Environmental		IP65	IP65	IP65	IP65
Power Requirements		12VDC	12VDC	12VDC	12VDC
Type of Installation	Embedded	✓	✓	✓	—
	Surfaced-Mount	✓	✓	✓	✓
Add-on feature: UVMS	Sensor Type	Line Scan Magnetic Sensor			
	Sensitivity	0.4G (Gauss) or 0.04mT (Tesla)			
	Bandwidth	0-90Hz			
	Sensor Per Board	8x			
	Positive / Negative Linearity	±1.5%			
	Symmetry	±1.5%			
	Sensitivity Drift	±2%			

Receiving Station (RS)

Computer	Processor	Intel® Core™ i3 Processor	Intel® Core™ i3 Processor	Intel® Core™ i3 Processor	Intel® Core™ i3 Processor
	Memory	1GB	1GB	1GB	1GB
	Hard Drive	500GB	500GB	500GB	1 TB
	Monitor	19"	15"	19"	19"
	Drive	DVD +RW	DVD +RW	DVD +RW	DVD +RW
	Power Requirement	110-240V, < 1.5Amps	110-240V, < 1.5Amps	110-240V, < 1.5Amps	110-240V, < 1.5Amps

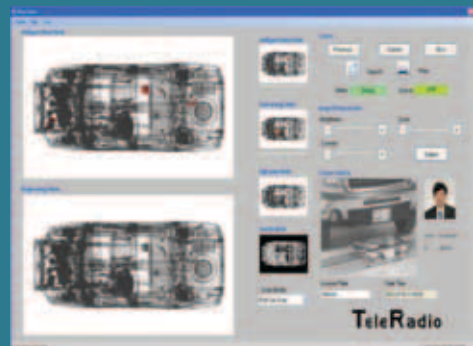
Product specifications may be subject to change without prior notice.
— indicates Not Applicable.

Related Products

Under Vehicle Magnetic Sensor (UVMS)



VX-Ray Passive Vehicle Screening System



Vehicle Licence Plate Recognition (VLPR)



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