

# TeleRadio

## UVMS

### Under Vehicle Magnetic Sensor

Detect magnets or magnetic objects attached to the vehicle's undercarriage.

Magnets are commonly used to attach improvised bombs, weapons or suspicious objects under the vehicle for unlawful activities.



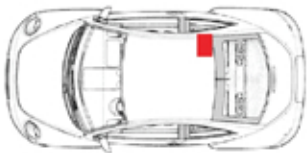
UVMS Ramp



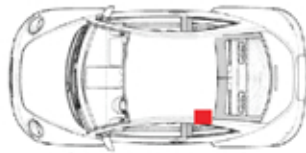
Receiving Station

#### Application

UVMS is suitable for vehicle screening at all crucial vehicle checkpoints such as entries to critical installations, airports, military camps, naval bases, custom borders, embassies, hotels and other important buildings.



UVMS detects magnetic object at right rear



UVMS detects magnetic object at left rear

#### System Highlights

- Designed for outdoor deployment
- Alerts upon detection of any abnormal magnetic field
- Pin-point the location of the magnetic object
- Automatic screening with only 1 operator required
- Review directly from a computerised station
- Less than 3 seconds per vehicle
- Easy to operate with minimum training required
- Minimum installation required

#### Optional Features

- Integrate with Under Vehicle Surveillance System (UVSS)
- Integrate with Vehicle Licence Plate Recognition (VLPR)
- Portable system available.

#### Awards & Certifications



\*Gold prize winner of Merlion Award  
- Safety & Security Asia



ISO 9001:2008 CERT NO.: 300204



## UVMS Graphical User Interface



## Technical Specifications

Under Vehicle Magnetic Sensor (UVMS)	
Technology	Magnetic Field Sensing
Sensor Type	Line Scan Magnetic Sensor
Sensitivity	0.4G (Gauss) or 0.04mT (Tesla)
Bandwidth	0-90Hz
Sensor Per Board	8x
Positive Linearity	±1.5%
Negative Linearity	±1.5%
Symmetry	±1.5%
Sensitivity Drift	±2%
Communications	Ethernet RJ45 Jack
Typical Power Source	Transformer Primary 230Vrm, Secondary (9-0-9Vac) 24VA support up to 4x PIC-MCB
Input Voltage	10-24Vdc (Absolute max 40Vdc)
Power	12Watt
Fuse	3A
Receiving Station (RS)	
Processor	Intel® Core i3 Processor
Memory	2GB
Hard Disk	500GB
Monitor	19"
Power Requirement	110-240V, < 1.5Amps

*Product specifications may be subject to change without prior notice.*

**TeleRadio Engineering Pte Ltd**  
 No. 18 Boon Lay Way, #08-108  
 TradeHub 21, Singapore 609966  
 Tel: +65 6779 2271 / Fax: +65 6779 2217  
 Email: sales@uvss.com

www.uvss.com

*Authorised distributor:*