

## UVSS

### Description

IC Realtime's Under Vehicle Surveillance System (UVSS) or 'Speed Bump' licence plate camera system is uniquely designed to manipulate the psychology of human nature evident in the form of driver behaviour as an effective agent in enticing drivers to align their vehicles to drive over the camera impregnated 'speed bump'. This results in the most effective capture and interpretation of vehicle license plate characters.

Common driving practice indicates a propensity for drivers to take evasive action in order to avoid impact with 'speed bumps'. Research also indicates that where 'speed bumps' taper 1 meter for a curb or barrier, drivers have been noted to position their vehicles in order to avoid primary impact. Another feature of driver behaviour is the taking of evasive measures in an attempt to avoid impact with obstructions in the centre of a road, by straddling the obstruction.

The psychology of driver behaviour has directly influenced the design of the IC Realtime's 48" UVSS system. The aforementioned driver behaviour normally results in the vehicle being perfectly aligned with the 'Speed Bump's' cameras based on the units positional location. 'Speed Bump' positioning and alignment is of primary importance in the capture of license plate information.

The UVSS system incorporates 3.6mm or 6mm video cameras that are cushioned from impact and properly protected from variant weather conditions.

Images captured are capable of being relayed to a Digital Video Recorded (DVR) for storage, review, and download in accordance with normal legal requirements. DVR Image recording at CIF25 frames per second, per channel is recommended when using the UVSS system.

The system information can also be linked with Automated Number Plate Recognition programme enable automated control of vehicular access/egress.

# UVSS

UNDER VEHICLE SURVEILLANCE SYSTEM



made from 100%  
recycled tires



## Specifications UVSS

### Product Specifications:

- Color 1/3" CCD Camera
- SONY Super HAD
- 480 line resolution
- 0.2 Lux
- Auto Gain Control
- Auto White Balance
- Wide dynamic working power tolerance
- Built-in surge voltage input protection
- Built-in reverse polarity input protection
- Extremely low power consumption
- 3.6mm or 6mm lens
- Operating Current: 130mA
- Dimensions: 2.5" (L) x 0.75" (D)
- Video/Power lead

### Speed bump specs

- SB-48"  
2 stripes, 6 cat eye reflectors, 3 holes;  
2-5/8" (40 lbs), or 2" (40 lbs)
- Shown with optional cat eye reflectors and molded-in yellow hypalon stripes.
- Two, 1-1/4" channels on bottom for drainage, pipe, wire or cable.
- Made of tough, recycled rubber with an UV stabilized virgin rubber overlay.
- Molded-in yellow directional stripes are durable hypalon, last much longer than pain

## UVSS (Under Vehicle Surveillance System)

UVSS is a revolutionary vehicle license plate capture system. The systems patented design delivers clear pictures of the license plates of vehicles irrespective of ambient lighting conditions - high or low, day or night, front or back, headlight on or off. In effect, the system eliminates the normal operational limitations of the standard and more expensive conventional license capture cameras currently available within the marketplace.

UVSS is part of the new Identifier Series of camera systems from IC Realtime. Eliminating the risk of pre-emptive positioning guesswork in order to obtain the best camera position to obtain a licence plate image, the UVSS is easily located to provide optimum recording results.

The UVSS works perfectly in all weather conditions and is available in single, double or six camera configurations. The cameras are both front and rear facing. This type of configuration permits images to be captured from both the front and rear facing license plates of vehicles.

The system is capable of interpreting images from the complete range of license plates available and irrespective of whether these plates are reflective or non-reflective in design.

## UVSS IN ACTION



### Available in 3 Configurations:

**UVSS1** - Single Camera One Side Configuration

**UVSS2** - Double Camera Dual Side Configuration

**UVSS6** - Six Camera Inspection System Triple cameras per Side

### UVSS-6

The IC RealtimeUVSS-6 is a 6-camera solution designed to scan, monitor, and digitally record crisp, clear images of a vehicle's undercarriage. The UVSS-6 can be installed as a permanent fixture or can be used as quickly deployed portable unit for check points or emergency areas.

The quick deploy unit has a metal base with carrying handles, facilitating easy positioning and installation within a matter of minutes.

The UVSS-6 uses 6 high resolution colour day/night cameras are supported with separate built in infra-red (IR) Light Emitting Diodes (LED's). The combined effect enables the systems to scan left, right and centre of the undercarriage of vehicle simultaneously in poor lighting conditions. This ensures that every detail of the vehicles undercarriage is recorded and viewed.

The UVSS-6 is a cost-effective and convenient solution for checking passenger vehicles, vans, buses as well as larger transport vehicles.

The systems application is ideally suited to government, military, corporate, transportation and car-parking facilities and is particularly useful ensuring compliance with CT-Pat and the Air Traffic And Navigation requirements.

The systems advanced digital camera imaging and LED illumination provide clear, high-resolution video recording of the vehicle's undercarriage and has proven to be successful in detecting concealed packages, narcotics, firearms, explosives, persons and smuggled or misappropriated property.