UNDER VEHICLE INSPECTION SYSTEM
PR-UV7000S



UVSS Features:

- Multi entrance management model, management, and statistics of entering and exiting vehicles
- Auto digital line scan, high-resolution undercarriage imaging.
- High automation, easy to be used
- Applicable to variety of vehicles, wide vision.
- Test will be completed during the vehicle maneuvers without stopping, adapted to different speed. (support cars speed up to 60km/hour)
- Undercarriage image can be stored, retrieved, searched or compared with other images.
- Avariety of image processing methods: enlarge, stretching and cutting.
- Optional ALPR-Automatic License Plate Recognition and RFID technology. associative storage of various vehicle information and undercarriage images.
- Support B/W and Color Images Displayed , Suspicious objects alarm ;
- Work in day and night , connect to traffic lights or road barrier system ect.
- Work in desert and raining weather ,UVSS with air drying system, IP68 waterproof .
- UVSS support cars and trucks scanning , carrying capacity Max : 40 Ton .
- Our UVSS support one monitor to control 2, 3 or 4 under vehicle scanners at different entries.


Screening Part Specs:

- Camera: Sensor: line scans CCD, Resolution:
- 5000*2048 pixels, Power Supply: 24VDC, 3A
- Pixel : 2096 x3 ; Type:Color model
- Horizontal Frequency : 9K
- Min operate time :110us
- Pixel size :14µm x 14µm
- The length of the line array :29mm
- Sampling bits wide :8bit
- Dynamic Range : 76db
- Sensitivity : 15,21,37V/µJ/cm2(wave
- length=460/540.650); Lens Mount : F
- Transmission mode : (Gigabit Ethernet) /100m
- Power Dissipation : less 8W,12V
- Working Temperature: -20° Cto 70° C
- Illumination: LED, Power Supply: 24VDC,150W
- Size: 1200mm x 350mm
- Operating Temperature Range: -20°C to +70°C

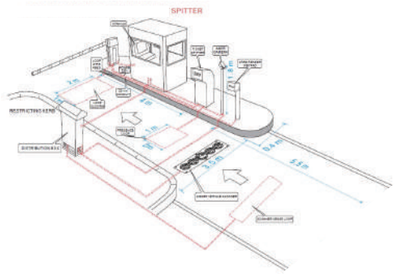
Distribution box Controller

- Input: 2 channels induction coil
- Output: 2 Channel switch type 110~220V AC
- Communication port: RS485, Ethernet(Optional)
- Operating Temperature: -20° C to 70° C

Control Desk

- Display:22 inch LCD Screen
- CPU:INTEL Quad-Core Processor (Optional)
- Motherboard : dedicated motherboard
- Memory : DDR3 (optional)
- Hard disk : 500G high-speed hard disk
- Graphics card : DDR3, 192BIT independent graphics
- Working voltage : AC220V 50/60Hz
- Working temperature : -20 °C to 70 °C
- Data transmission cable length : 10m
- DVR and mouse ,keyboard inside.

Installation

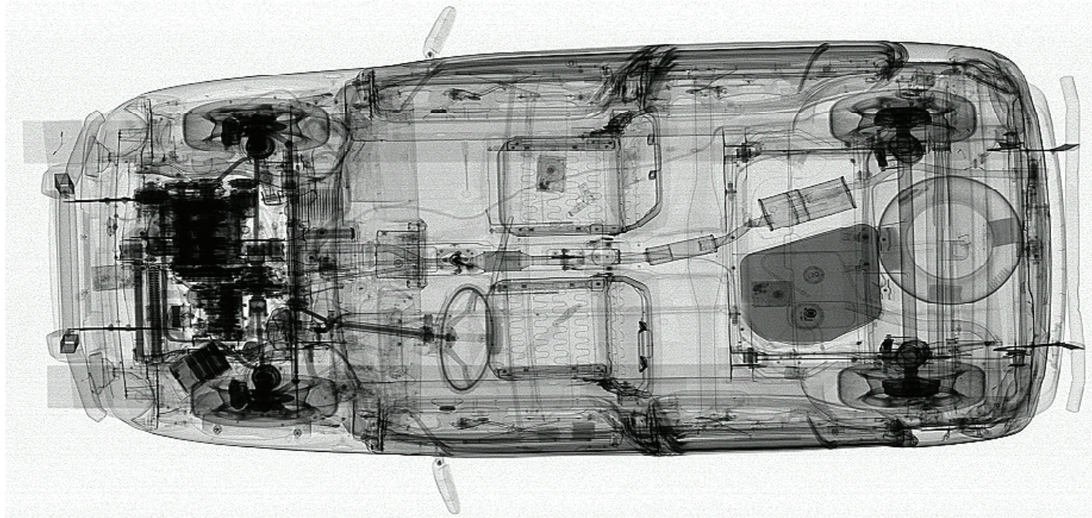


Automatic Number Plate Reader
PR IPR 8253BR

- All in one: monochrome sensor, OCR on board, IR illuminator
- Web server configuration and setup
- Data transmission towards two different IP address
- Number plates list management on board
- Real time processing: up to 25 fps
- Range of action: up to 8 m
- SD memory card up to 32GByte
- Ethernet, digital I/O, RS485 serial port
- Waterproof IP66 housing with bracket included

VEHICLE/CAR INSPECTION SYSTEM
PR-VSC 7000

PROLINE UK PR-VSC 7000 is designed for use with modularization, which is convenient for installing, dismantling, maintaining, repairing, reassembling rapidly and stably, and is the corrosion resisting of external surface satisfied with the requirements of outdoor environment and transportation regulated by local traffic management. **PROLINE UK PR-VSC 7000** uses the vertical-view imaging technique, which position accurately suspected goods and improve the ability of image acquisition, to overcome the defect of horizontal projected imaging technique specified the superposition among suspected goods and mixed others.(Refer to the image below) **PROLINE UK PR-VSC 7000** vertical-view of suspected goods positioned in the car Note：1.lack of one set of battery, 2. hidden cutting tools in the driving seat, 3.hidden items in the door, 4.hidden hard disk under the co-pilot seat 5.hidden guns under the co-pilot seat, 6.hidden hard disk in the area of fuel tank, 7.hidden items in the spare tire.



SPECIFICATIONS

Under vehicle imaging equipment (VSUVI7000II)
Resolution: Line scan 2048 pixels
Max. Line rate: 18kHz in black-and-white, 9 kHz in color
Inspection vehicle speed: <30km/h
Max. physical resolution(vehicle speed=30km/h): < 0.5mm/pixel
Visual angle: >170°
Surface mount: about 110(cm)×30(cm)
Height of inspecting under vehicle: 60~2000mm
Width of inspecting under vehicle: ≤4000mm
Data interface: 100/1000M Ethernet
Transmission distance of under vehicle image data: ≤70m
Illumination: 2 sets of high energy LED; 36 W; life: 50000h
Environmental protection: IP68
Controller (PR-VSIO3232 & PR-VSPV168)
Input: ≤16 channels, photoelectric isolating,
Output ≤16 channels, DC12V or switch signal
Communication port: RS232 or RS422
Intelligent serial port (optional): RS422
Vehicle sensors: 4
System host PR-VSM200/PR-VSMULTI
Inspection lane: PR-VSM200=1 ; PR-VSMULTI≤3
Scene video input :PR-VSM200≤4 channels; PR-VSMULTI≤8 channels
Display resolution of scene video: 4CIF
Recording resolution of scene video: CIF or DCIF
Compression algorithm of scene video: H.264
Time of UV image display after scan: <1s
Time of UV image saving or loading: <1sStorage format of UV image: VSBMP (compatible with standard BMP image format)
Operational system: Windows XP ,Windows Vista
Display resolution: adapt to varies of resolutions automatically
Disk capacity: 500G
Power supply
Power supply: AC220V/50-60Hz/800W
Environment adaptability