



GS Automatic Co., Limited

Add: Flour 4, Building 10, Third industry zone, Nankeng, Buji, Shenzhen, China

Tel: (86)-755-83520669

Fax: (86)-755-83528876

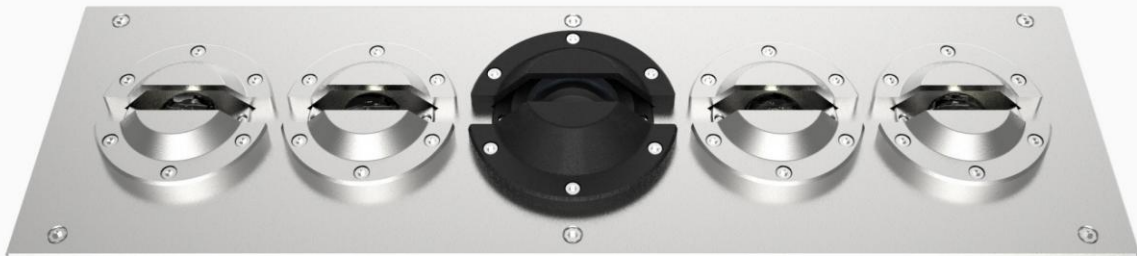
Http: [/www.gsautomatic.com](http://www.gsautomatic.com) **E-mail:** sales@gsautomatic.com

Permanent Under Vehicle Surveillance System

- Vehicle security control at the entrance
- To see what's hidden under the vehicle

Fixed Under Vehicle Surveillance System is the fixed solution for the fully identification of threats or modifications to a vehicle's undercarriage. It can quickly and accurately identify threats, contraband objects and stowaway who are hidden at the bottom. Vehicles drive over the embedded scanning units while systems compile high-resolution images of a vehicle's undercarriage to create the vehicle's "fingerprint." It's easy to see any threatening objects that may be hidden on top of an axle or crossbeam. An overview/driver camera captures the normal view of car/driver and displays this on the high-resolution monitor.

LUVS-Permanent (IP68 Water-proof)





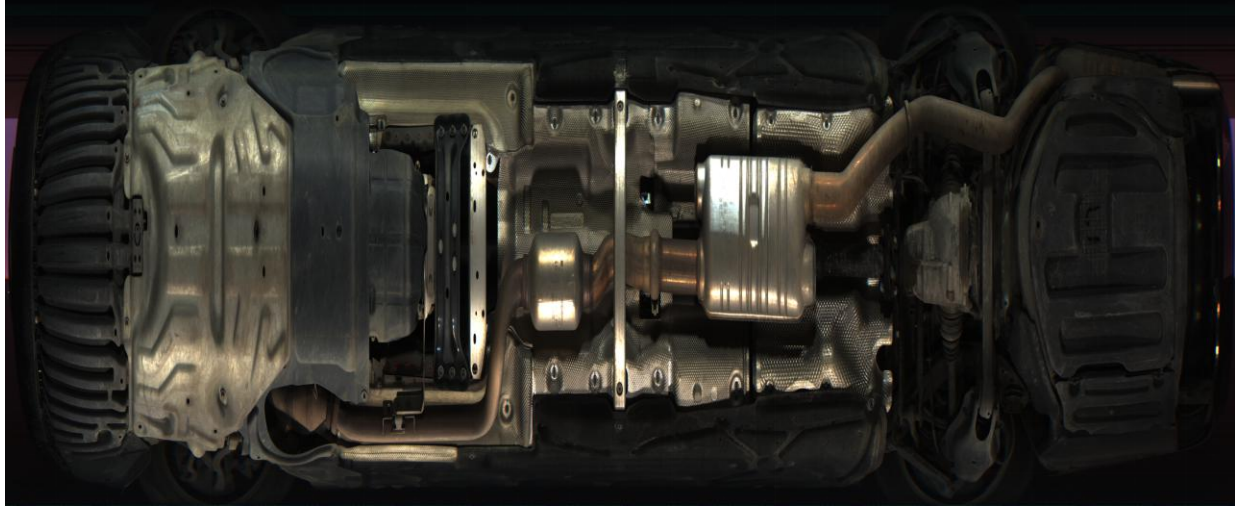
GS Automatic Co., Limited

Add: Flour 4, Building 10, Third industry zone, Nankeng, Buji, Shenzhen, China

Tel: (86)-755-83520669

Fax: (86)-755-83528876

Http: www.gsautomatic.com E-mail: sales@gsautomatic.com



Features:

- Auto digital line scan, high-resolution undercarriage imaging.
- Decision Response Time: 2-3 seconds
- Applicable to variety of vehicles, wide vision :
- Test will be completed during the vehicle maneuvers without stopping, adapted to different speed.
- Undercarriage image can be stored, retrieved, searched or compared with other images.
- Whole image display on monitor, can zoom, playback, sign in the images, stretching and cutting, etc
- Multi entrance management model, and statistics of entering and exiting vehicles.
- Flexible detection process can be made on site to satisfy the needs of various work conditions.
- Image monitoring, video recording for different scenario

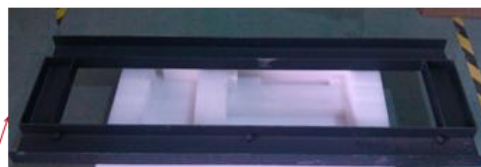
Advantage of UVSS:

- No need to park vehicle, can bear speed below 30km/h
- Time of image display after scan <1s
- Image automatic save and automatic delete when hard disk is full
- Time of image saving or loading: <1s

Technical Specification :

Embedded Frame :

- 1) Material: stainless steel
- 2) Dimension: 1200mm x 350mm
- 3) Water-proof grade: IP68
- 4) Load bearing Weight: 50T
- 5) Image resolution: 12000x7500



- ① CCD Line Scan Camera
- ② Stainless Steel protection cover
- ③ LED Illumination
- ④ LED light
- ⑤ Main Frame
- ⑥ Main control cable
- ⑦ Rack Mount Equipment



GS Automatic Co., Limited

Add: Flour 4, Building 10, Third industry zone, Nankeng, Buji, Shenzhen, China

Tel: (86)-755-83520669

Fax: (86)-755-83528876

Http: [/www.gsautomatic.com](http://www.gsautomatic.com) **E-mail:** sales@gsautomatic.com

CCD Line Scan Camera :

- 1) Type: color image
- 2) Resolution: 6000 * 2048 pixels,
- 3) Image : color
- 4) Power Supply: 24VDC, 3A
- 5) Transfer interface/distance : Gigabit Ethernet/100m
- 6) Sealed unit to protect against heat, dust, water and vibration
- 7) Operating Temperature Range: -25 °C to +60 °C

LED Illumination:

- 1) Power Supply: 24VDC, 320W
- 2) LED light service life: 50,000 hours
- 3) Operating Temperature Range: -25 °C to +60 °C

Vehicle Plate Number Capture Camera : Nigh vision, water proof and antifogging function.

- 1) The imaging element, 1/3" SONY ICX673 CCD
- 2) Resolution: 752(H)*582(V) & Horizontal resolution: 700TVL
- 3) Signal to Noise Ratio: >48dB
- 4) Electrical shutter: 1/50—1/10,000/s
- 5) White balance: Auto & Size: 8inch (292*140*102)



Distribution box :

- 1) Input: 2 channels induction coil
- 2) Output: 1 Channel switch type 12VDC
- 3) Communication port: RS485, 1000M Ethernet (Optional)
- 4) Operating Temperature: -25°C to 60°C

Computer :

1. Brand: Grantech (SYM76941 VGGA)
2. CPU: Intel (R) Core Processor, 2.6GHz/2.59GHz
3. Memory: 2G (optional 4G)
4. Graphics :512M
5. Hard Disk: SATA2 Hard Disk 500G
6. Dual LAN (at least one Intel Gigabit)
7. USB2.0 (Up to 2 pieces)
8. Monitor: 24" LCD, resolution up to 1920*1080
9. Scene Video Record: 4 channels, Compression algorithm of scene video: H264
10. Operational system: Windows 7 (32 bit) (optional)

Optional :

* ALPR-Automatic License Plate Recognition software : via IP Camera captures license plate, ALPR software processing and automatically presents license plate on screen.



GS Automatic Co., Limited

Add: Flour 4, Building 10, Third industry zone, Nankeng, Buji, Shenzhen, China

Tel: (86)-755-83520669

Fax: (86)-755-83528876

[Http://www.gsautomatic.com](http://www.gsautomatic.com) E-mail: sales@gsautomatic.com

Configuration list

No.	Device Name	Unit	Quantity	Note (Main Device)
1	Vehicle Chassis Scanning System Software Part	set	1	Image Analysis Management Software
2	Car Scanning System Image Acquisition Part	set	1	Vehicle Chassis Image Equipment
	Car Scanning System Operation Floor			
3	Under-body IO Distribution Box	set	1	Distribution Box & Induction Coil 10m (one way)
	Power Control and Vehicle Detector			
	System Cabinet			
4	System Host	set	1	System Host, Operation Floor
	LCD			
	Outboard LCD Display (Optional)	pc	1	50 Inch LCD TV
				Video Cable & Camera Power Wire 30m
5	Vehicle Plate Number Capture Camera	pc	1	(Standard) With License plate recognition software
6	Scene Monitoring System (Optional)	set		
				When AC power is not connected to the
	Built-in Backup Power (Optional)	set		state, the equipment can work through the
				UPS backup power supply



GS Automatic Co., Limited

Add: Flour 4, Building 10, Third industry zone, Nankeng, Buji, Shenzhen, China

Tel: (86)-755-83520669 **Fax:** (86)-755-83528876

Http: www.gsautomatic.com **E-mail:** sales@gsautomatic.com

Auxiliary Materials and Accessories

NO.	Device Name	Unit	Quantity	Brief Introduction	Note
1	Data Line (Scanner cable to distribution box)	pc	1	10m (standard)	Optional
2	Data Line (Control box to operation floor)	pc	1	30m (standard)	Optional
3	Power Wire of distribution box	pc	1	3.5m (standard)	Optional
4	Power Wire of operation floor	pc	1	3.5m (standard)	Optional
5	Tubing (Scanner cable to distribution box)	pc		Dia.50mm Galvanized Pipe	Provide for oneself
				Cement: about 5 packs	
6	Construction			Sand: 15 packs	Provide for oneself
				Installation: around 4 worker/ day	
				(For Reference Only)	



GS Automatic Co., Limited

Add: Flour 4, Building 10, Third industry zone, Nankeng, Buji, Shenzhen, China

Tel: (86)-755-83520669

Fax: (86)-755-83528876

[Http://www.gsautomatic.com](http://www.gsautomatic.com) E-mail: sales@gsautomatic.com

Case:

CONFERENCE CENTER



PRISON



CHECKPOINT



Airport

