

TS-UVSS-02

UNDER VEHICLE SURVEILLANCE SYSTEM

Advanced Under Vehicle Inspection
for **Higher Security**



HIGH
SECURITY



DURABLE
CONSTRUCTION



EASY
INSTALLATION



UNDER VEHICLE
INSPECTION



REAL-TIME
IMAGING



HIGH INTENSITY
LED LIGHTING



SECURE
ACCESS



STRONG
SUPPORT



PREMIUM
MATERIAL



SLEEK
DESIGN

ACCESS REDEFINED

PEOPLE | PLACES | POSSIBILITIES

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Products:

Standard version of the under vehicle scanning system is a set of automatic vehicle inspection and under vehicle image acquisition, display, splicing, capture, summary, comparison, warning, autonomous ring control as one of the vehicle security systems. The system can effectively prevent the undercarriage from hiding weapons, contraband, explosives, hazardous materials, etc., and can be applied to the chassis of trucks and other vehicles for traffic safety inspection and vehicle quality inspection and assessment.

Applications:

- New places such as military, airport, government, bank storage area, embassy, station, public security, etc.
- Parking at entrances of key locations.
- Entrance and anti-smuggling inspection of pouches and drug rehabilitation systems.
- Anti-smuggling and anti-smuggling checks at parts, terminals, bended areas, customs and harbour checkpoints.
- Security prevention and anti-terrorism inspection of vehicle entrances and exits of large-scale conferences, sports games and other events.



Technical Specifications

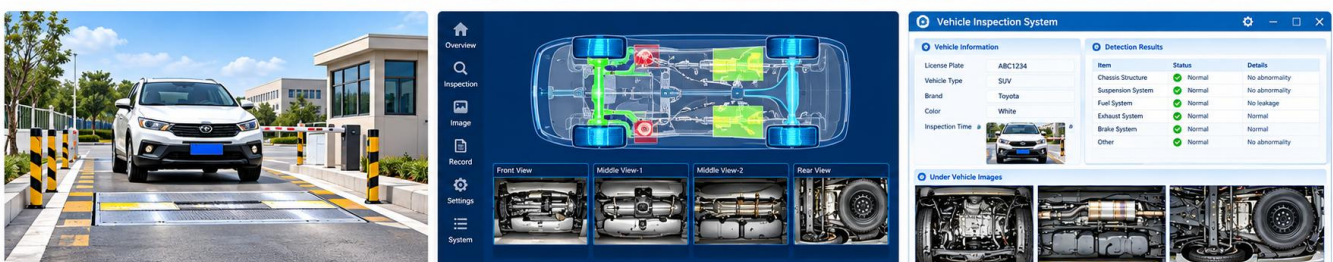
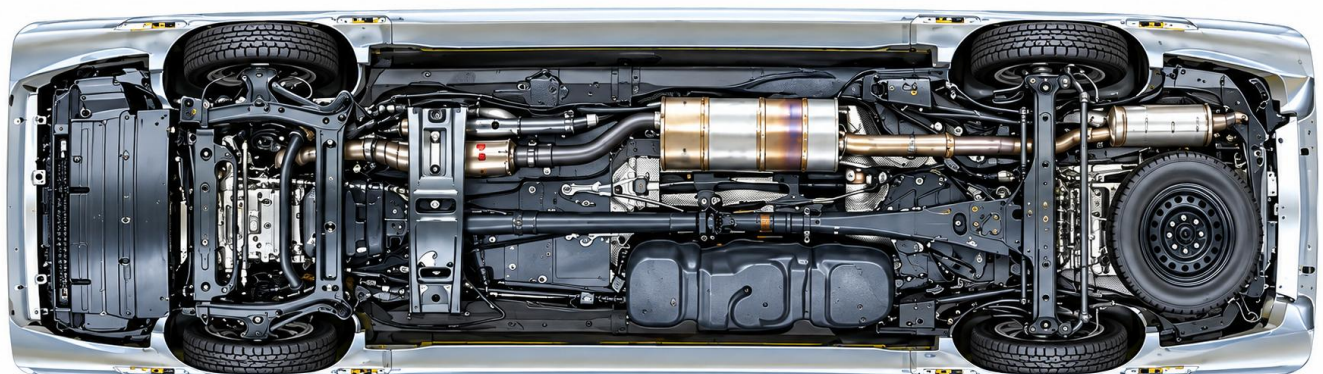
Bran name	Technospacio
Shooting Vehicle Width	24500 mm
Field of View Angle	2180°
Shooting Vehicle Underbody Height	0–4500 mm
Vehicle Passing Speed	1–120 km/h recommended; entrance/exit ≤ 30 km/h
Image Acquisition	Automatic vehicle detection and rapid image acquisition
Image Format	Color JPG and other formats
Picture Resolution	2048 × n; greater than 20 million pixels
Imaging Display Time	< 1 second
Image Storage / Reading Time	< 1 second
Imaging Equipment	High-strength crush-resistant automatic lifting module; load-bearing ≥ 55 tons
Lighting Components	≥4 LED surface light sources; service life ≥ 50,000 hours
Equipment Structure	High-strength steel plate housing; waterproof, dustproof, moisture-resistant and anti-fog
Waterproof Grade	IP68
Cleaning System	Automatic dust blowing and snow removal
Working Environment	Automatic temperature and humidity detection and adjustment
Working Temperature	Approximately –50°C to +65°C



Software Features:

- Adopting color scanning, it provides high-definition under-vehicle images with distortion-free images for identification of potential safety problems.
- Automatically analyzes and stores captured undercarriage images and supports retrieval according to date, time, capture status, license plate number and other information.
- Supports saving and querying license plate information associated with underbody images.
- Supports software image scanning functions.
- Supports image fuzzy restoration processing.
- When a license plate is incorrectly recognized or unrecognized, the system supports manual supplementary recording of the passed vehicle.
- Supports equipment control, support system I/O control and interactive intelligent control.
- Supports blacklist and whitelist setting functions.
- Supports image processing such as sharpening, blurring, contrast and saturation adjustment.
- Supports speed measurement of passing vehicles and real-time display of vehicle speed and number of vehicles passing.
- Supports **Windows** system and multi-language interface.
- Supports multi-module information integration.
- Can be configured for vehicle monitoring, chassis inspection, multi-angle image recognition, automatic vehicle detection, license records, automatic vehicle monitoring and tracking.
- Supports high and low chassis imaging detection, wire-loop vehicle display mode switching and vehicle weight detection.
- Supports vehicle weight statistics and box-number identification.
- Supports different road-way management modes, one-way lanes, in/out mixed lanes and independent two-way lanes.

Under Vehicle Scanning System (UVSS)



UVSS HOW IT WORKS

1 Vehicle Approaches

The vehicle moves to the UVSS scanning position.

2 Automatic Scanning

High-resolution cameras capture the undercarriage image as the vehicle stops or slowly passes.

3 Image Processing

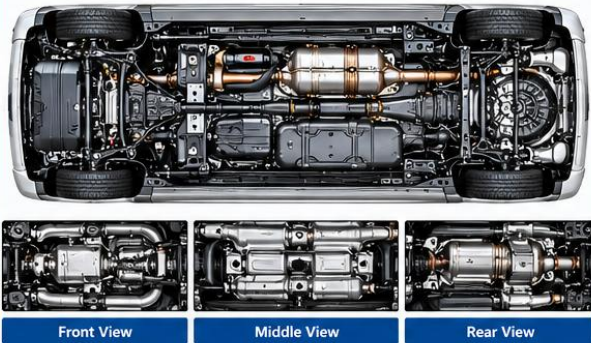
The captured images are displayed on the monitoring software in real time.

4 Security Verification

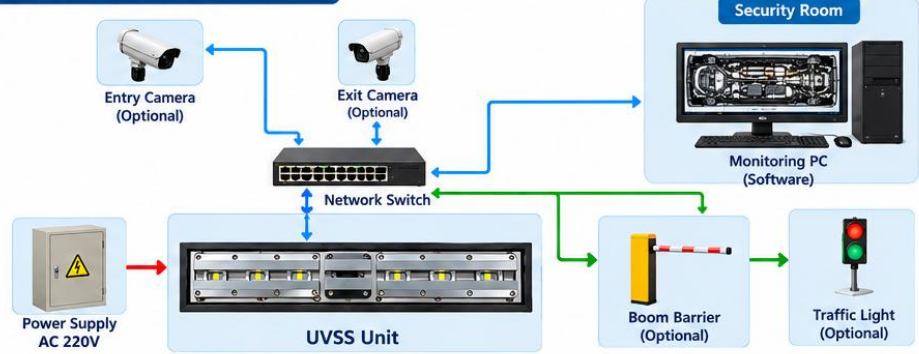
Security personnel verify the undercarriage for suspicious objects.



UNDER VEHICLE IMAGE VIEW



SYSTEM CONNECTION DIAGRAM



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