



**领先优势:**

ZA-UVBOT-1 vehicle bottom inspection robot is an intelligent inspection equipment that uses a small car-type intelligent chassis equipped with a line array scanning camera to perform imaging inspection on the vehicle chassis. Through the supporting display and control terminal (tablet), you can automatically align the vehicle under test and intelligent path planning with one click to complete the chassis inspection of the vehicle under test; after one inspection is completed, you can obtain a complete high-definition full-color chassis image and automatically recognize license plate number.

This product is widely used and can automatically scan and image clear images of small vehicles, medium and large buses, and trucks. It can effectively prevent detection of dangerous goods such as bombs, weapons, drugs, etc. hidden under the vehicle, as well as detect whether there are modifications and other illegal activities. It is suitable for government agencies, military management, banks, stations and terminals, customs and border defense, important conference security and other places. Because of its high mobility, it is also very efficient and convenient for surprise inspections in public places such as large supermarket parking lots and residential parking lots.

**ZA-UVBOT-I**

**vehicle bottom inspection robot**

**Equipment features:**

- (1) One-click alignment and path planning - automatically align the vehicle to be tested, autonomously complete vehicle chassis detection, and autonomously return home.
- (2) Use fast image uploading and high-definition display-collect a complete 2K high-definition full-color vehicle chassis image within 5 seconds.
- (3) License plate association and intelligent comparison - autonomously collect license plates and intelligently compare chassis images of the same license plate at different times.
- (4) Thin and light body, free shuttle - the equipment height is 11cm, reducing the risk of scratches on the vehicle chassis.
- (5) Super long battery life - the built-in lithium battery can support the entire system to work continuously for more than 4 hours.

**Basic parameter indicators:**

Alignment method: One-click alignment, automatic scanning

Chassis image resolution 2048px

Image color Full color image

Car moving speed 0.1m/s~1.2m/s

Turning radius differential steering, can rotate 360° in place

In-situ steering speed up to 120°/s

Automatic license plate recognition can collect vehicle license plate information through the front camera of the robot host and automatically recognize it.

Image comparison: The display and control terminal interface can automatically prompt whether there is a historical inspection record of the same vehicle, and can perform linked image inspection.

Continuous working time ≥4h

Wireless effective distance 50m

The display and control terminal screen No less than 10 inches and can store no less than 10,000 vehicle bottom images.

Road surface adaptability Grade 4 or above highway surface

Recommended working environment Temperature: 0~40°C Humidity: ≤93%RH

Host size ≤610x380x115mm

Host weight ≤12kg

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