

SRED-VBIR200 Vehicle Bottom Inspection Robot

1 Product Overview



This vehicle bottom inspection robot is an intelligent AGV type detection equipment with the Lidar and linear array scanning camera to imaging and detect the vehicle chassis. Using the control terminal, one-click alignment, automatic positioning for intelligent path planning, automatic identification of the license plate number to complete the scanning imaging of the car bottom. View the full HD full color chassis image, check whether there are suspicious items hidden under the car, modification and other illegal behavior.



2 Product Features

- One-click alignment and path planning——automatic alignment of the tested vehicle, independently complete the vehicle chassis detection, autonomous return;
- Quick upload, HD display pictures——collect complete 2K HD full-color vehicle chassis image within 5 seconds;
- Link license plate, intelligent comparison——Automatically collect and bind license plate number, intelligent compare different periods of vehicle chassis image;
- Thin host, free moving——Equipment height is less than 11cm, reduce the scraping risk of vehicle chassis;
- AI enabling, multi-sensing fusion——can be selected with automatic contraband identification function, volatile gas detection function.

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3 Product Parameter

Host size	≤610*380*115mm
Host weight	≤12kg
Maximum movement speed	1m/s
Maximum in-situ steering speed	120°/s
Obstacle-climbing ability	20mm
Resolution of vehicle chassis image	2048P high-definition full-color
Continuous working hours of host	≥6h
Control method	Wireless control
Store capacity	≥10000 vehicle chassis images
Recommended work environment	Temperature: 0~40℃ , Humidity: 93%RH

4 Application

This vehicle bottom inspection robot can effectively detect hiding bombs, weapons, drugs and other dangerous goods on the vehicle chassis, as well as can detect illegal activities such as modification. It is suitable for government organs, military management, bank, station and wharf, customs border defense, important conference security and other places. Because of its strong mobility, it is also very efficient and convenient for public places check such as large supermarket parking lot, and parking lot of residential areas.

