Shaanxi Shangyida IoT Technology Co., Ltd.
029-8579-6416
shangyidaservice@gmail.com
https://www.sydauto.com/
3rd Floor, Building B6, No. 176 Biyuan 2nd Road, High-Tech Zone, Xi'an City, Shaanxi Province, China

# Intelligent Inspection Tracked Robot

## Product Description

The intelligent inspection robot is a multifunctional device that integrates automatic walking, obstacle avoidance, scanning, data uploading, and alarm functions. This robot uses a combination of infrared thermal imaging and high-definition camera technology to perform precise inspections and data collection on outdoor targets. Through wireless base stations, it uploads data and images in real-time, stores them, and issues abnormality alarms, ensuring timely transmission and processing of information.

## Performance Characteristics

- Image Comparison
- Autonomous Avoidance
- Regular Inspection
- Abnormal Alarm
- Risk Alert
- Off-Route Protection
- Intelligent Scheduling

## Product Features

### 1 Unmanned Monitoring and All-Weather Patrolling

The intelligent inspection robot can replace traditional sentry duties, achieving unmanned monitoring and effectively addressing personnel shortages. It utilizes high-tech methods for all-weather patrolling, enhancing work efficiency and reliability.

### 2 Resolving Patrolling Issues and Comprehensive Safety Coverage

The robot effectively addresses various issues encountered during sentry patrols, ensuring comprehensive safety coverage and providing thorough inspection assurance.

## Product parameters

| | Project Name | unit | details |
|---|---|---|---|
| / | External Dimensions | mm | 1050*800*850 |
| | Weight | KG | 235 |
| | Speed | Km/h | 5 |
| | Obstacle Clearance Height | cm | 20 |
| | Obstacle Avoidance Distance | m | 0-0.1 |
| | Servo Motor | W | 1500W/2tower |
| | Power Supply | VDC | 48 |
| | Continuous Operation | h | > 3 |
| Optional Package (Customizable) | Navigation Method | / | Inertial Navigation, BDS Navigation, Laser Navigatio |
| | Obstacle Avoidance Sensor | / | Ultrasonic Radar, Laser Obstacle Avoidance Sensor, Infrared Sensor |
| | HD Image | / | Real-time Monitoring Display |
| | Temperature Detection | / | Real-time Temperature Detection and Alarm |
| | Dispatch Detection | / | Host Computer Software Scheduling System |
| | Automatic Navigation Control | / | Customizable Automated Control System Based on Environment |
| | Manual Navigation Control | / | Remote Control, Wireless Remote Control, Tablet/Computer |
| | Communication Protocol | / | Wireless, Wired, Multi-band Module |

## Application Scenarios

Used for military camp and garrison area

Rear equipment storage area

Patrol and surveillance of key areas

Places with high security levels