



Shaanxi Shangyida IoT Technology Co., Ltd.



029-85796416



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 Avoidanc
- ◆ Regular Inspectio
- ◆ Abnormal Alarm
- ◆ Risk Alert
- ◆ Off-Route Protection
- ◆ Intelligent Scheduling



Product Features



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
/	Dimensions	mm	1050*800*850
	Weight	KG	235
	Speed	Km/h	5
	Obstacle-crossing height	cm	20
	Obstacle avoidance distance	m	0-0.1
	Servo motors	W	1500W/2 台
	Power supply	VDC	48
	Continuous operation	h	> 3
Optional configurations (customizable)	Navigation method	/	Inertial navigation,BDS navigation, laser navigation
	Obstacle avoidance sensors	/	Ultrasonic radar, laser obstacle avoidance device, infrared sensor
	HD imaging	/	Real-time monitoring display
	Temperature detection	/	Real-time temperature detection and alarm
	Dispatch detection	/	Host computer software scheduling system
	Automatic navigation control	/	Customizable according to the environment, automatic control system
	Manual navigation control	/	Remote control, wireless remote control, tablet/computer
	Communication method	/	Wireless, wired, multi-frequency band modules


Application Scenarios



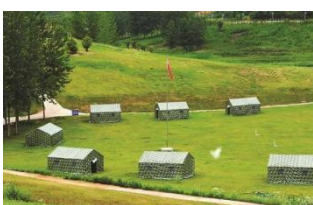
Rear equipment storage area



Places with high security levels



Patrol and surveillance of key areas



Used for military camp and garrison area