
## Security Patrol Robots

# ANBOT-Y

GIVE YOUR FUTURE ONE WAY MORE

Security robot and system solution provider

# Security Patrol Robots ANBOT-Y

**product definition**

ANBOT-Y security patrol robot is mainly used in indoor and outdoor scenes of property parks such as living quarters, office buildings, commercial plazas, shopping centers, exhibition theaters, airport high-speed rail, industrial parks, police stations, park scenic spots, hospitals and schools. It can cooperate with police and security personnel to carry out indoor and outdoor 24-hour patrol tasks, and supports the public security system to be connected to the Internet. If suspicious personnel are found, it can be alerted in real time, which can greatly improve the security level of the deployment site, save labor costs, and reduce potential safety hazards.

# Product parameters


## Basic parameters

| size | Lifting rod stroke | degree of protection | Operating temperatur e |
|---|---|---|---|
| 750 x 470 x 1000mm | 300mm | Standard IP55 | -20°~ 55 ° |

| Adapt to walking on the ground | Total Weight | Gimbal rotation | control method |
|---|---|---|---|
| Indoor and outdoor flat road | 5 5kg | Horizontal : 0°~348°<br>Vertical : -10°~ +30° | Autonomous walking, remote control<br>RMS background, mobile APP |

## Four-wheel four-wheel drive chassis

| Maximum climbing angle | Maximum Obstacle Clearance Height | battery life | Shock absorption method |
|---|---|---|---|
| 15° | 60mm | Standard configuration: 3.5 hours<br>Optional: 7 hours | Four-wheel independent suspension |

| sports mode | fast charging | Turning radius | motor |
|---|---|---|---|
| Two-wheel independent drive | 2 hours | turn in place<br>Turning radius is 0 | 250Wx 2<br>1024-line photoelectric encoder |

## autonomous navigation

| Maximum Autonomous Navigation Speed | remote control speed | Navigation and positioning |
|---|---|---|
| 1.6m/s | 1.8 m/s | Based on 3D lidar, SLAM algorithm |

# Robot Management System RMS

Robot State Management | Remote control emergency command | Real-time alarm processing | Issuance of duties | Remote software upgrade | API docking development

Real-time remote monitoring | AI image data retrieval | audio remote intercom | Media remote delivery | Data report generation

## product definition

Robot Management System ( RMS ) is a robot cloud management software that integrates functions such as robot task management and scheduling, data storage and analysis, information entry and display, accident analysis and early warning. After RMS combines effective man-machine collaboration with robots, security personnel, and police officers, it can greatly reduce regulatory blind spots, improve work efficiency, reduce work intensity, and reduce manpower. In addition, based on Iot technology, the robot management system can also be compatible with other intelligent terminals except robots, realizing the interconnection of multiple intelligent terminals such as robots, cameras, sensors, door gates, and vehicle gates, breaking information islands and achieving unified and efficient management. At the same time, RMS can open the robot and IoT data access interface, and seamlessly connect with smart security systems, police systems, smart city systems, etc., to achieve data fusion display and one-stop operation.

## Core parameters

### hardware parameters

| CPU | network card | hard disk | Memory | graphics card |
|---|---|---|---|---|
| Intel Xeon E5 2.1GHz or higher | Gigabit Ethernet | 1T or more | 16G or more | NVIDIA GeForce GTX 1060 or higher |

### software requirements

| operating system requirements | Java program running environment | Web container server |
|---|---|---|
| CentOS Linux release 7.3.1611 | version1.8.0_121 | Apache-tomcat-8.5.14 |

| file server | database software |
|---|---|
| vsftpd-3.0.2 | mysql-5.7.18 |

4G/5G/WI FI

## patrol duty

build map

autonomous obstacle avoidance

autonomous charging

Autonomous positioning

turn in place

climbing angle 15°

Vertical obstacle clearance height 6cm

24 hours non-stop patrol

The robot does not need to be plugged in and can be controlled at will. It can realize 24-hour uninterrupted patrol, equipped with police lights, route planning, autonomous obstacle avoidance, positioning and navigation, and automatic recharging.

## panoramic surveillance

### Starlight night vision camera perfectly presents day and night

**HD night vision camera**

**The gimbal can be rotated horizontally & vertically**

**Thermal imaging camera (optional)**

**Real-time image transmission**

monitoring )

Equipped with a PTZ version of high-definition night vision camera, it can flexibly adjust the camera's horizontal rotation and pitch angle to achieve all-round monitoring, support audio and video recording, 5G data transmission, cloud encryption storage, real-time video storage and traceability, complement traditional security cameras, and combine dynamic and static Form a three-dimensional security monitoring system.

## Intelligent detection

- Face recognition
- Vehicle license plate recognition
- People detection
- Specific abnormal data collection

Unique image recognition algorithm technology and black and white list mechanism can collect, detect and analyze image data such as portraits, vehicles, pedestrians and other specific abnormalities.

Vehicle license plate recognition

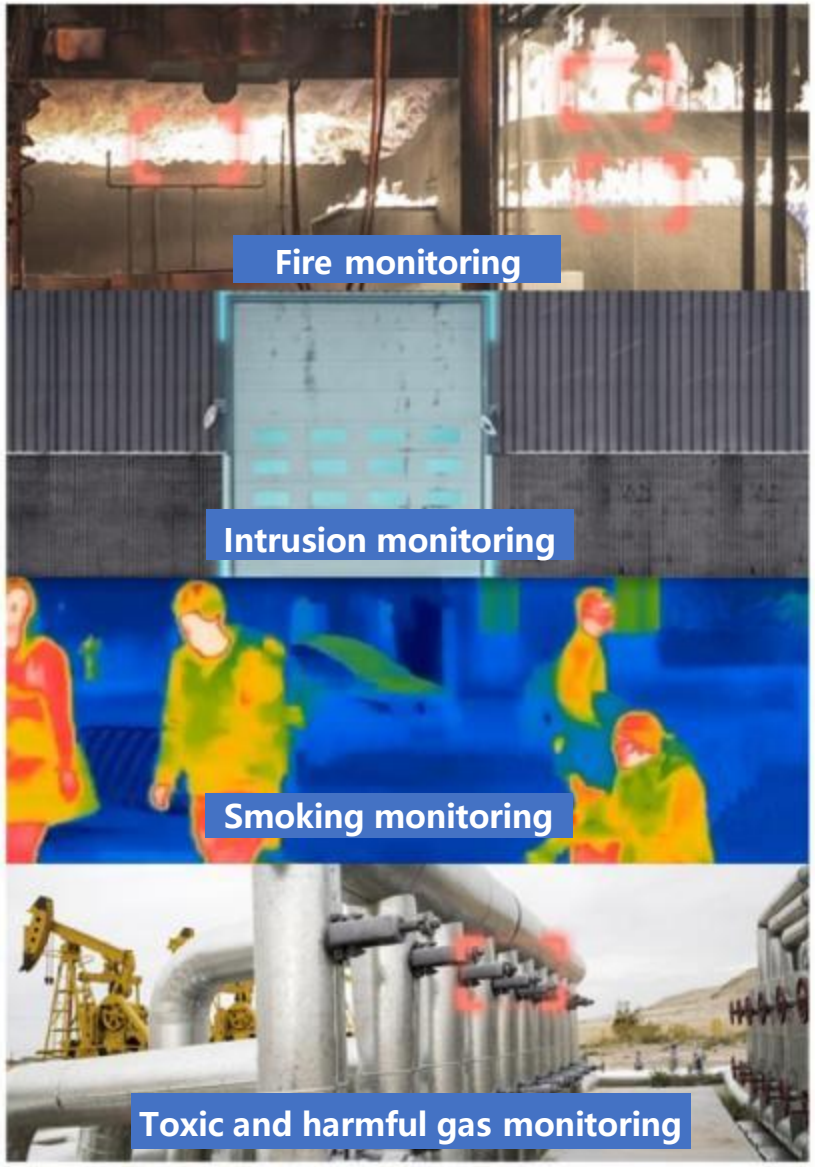
Face recognition

Pedestrian detection

## Monitoring and early warning

| Temperature and humidity detection | smoke detection | PM2.5 detection |
| --- | --- | --- |
| Standard | Optional | Optional |

Equipped with temperature and humidity sensors, smoke sensors, PM2.5 sensors, and various sensors such as toxic and harmful gases and noise monitoring are optional. When abnormalities are found, it can automatically warn and notify security management personnel to eliminate potential safety hazards.

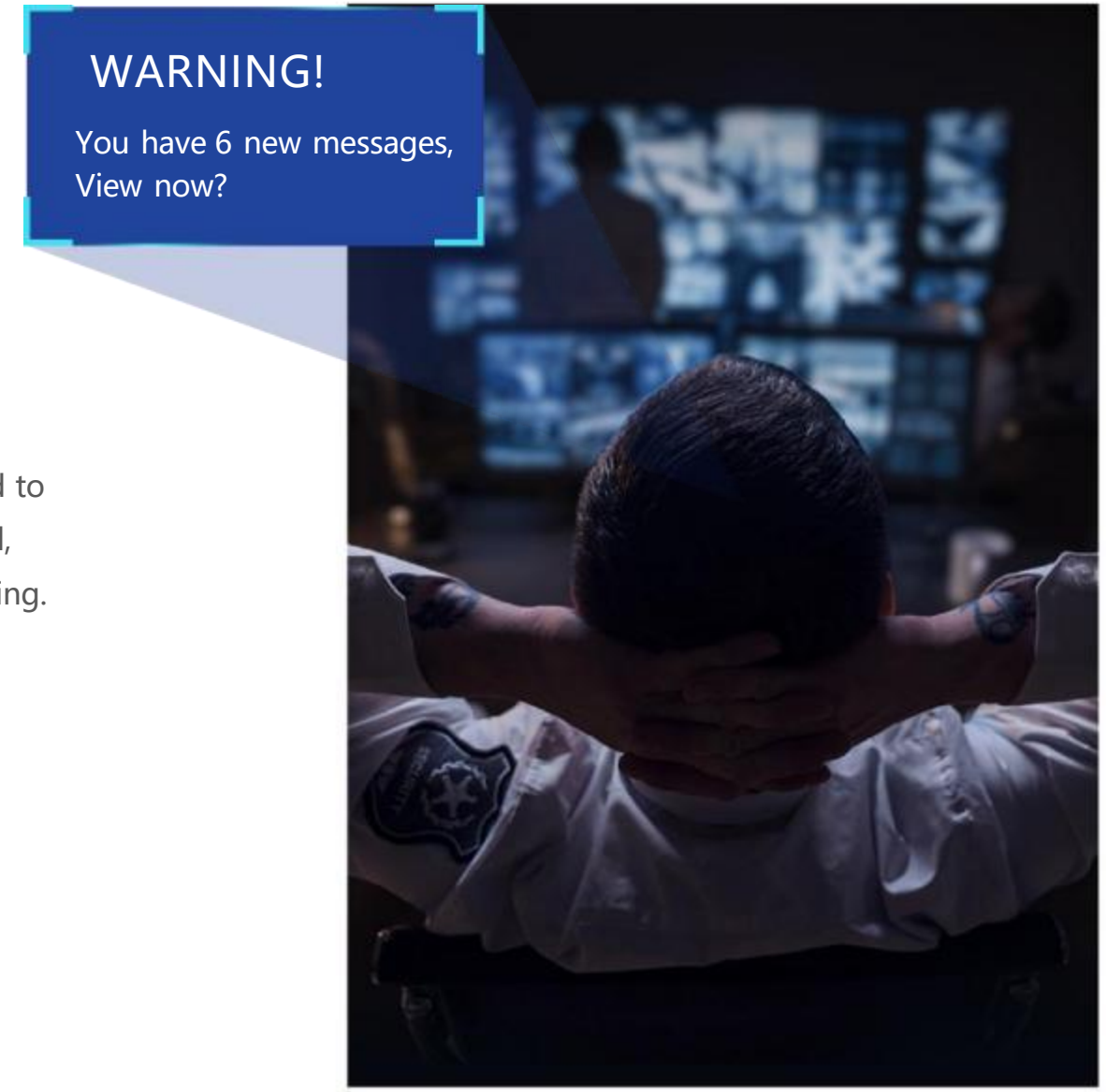


## Remote disposal, warning and deterrence

### Support remote control of multiple devices

- Audible and visual alarm
- Prompts & warnings
- One-click call for help
- Field evidence collection

## Big data analysis

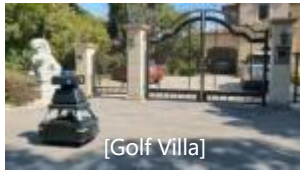



According to the daily collected data, it is transmitted to the cloud in real time, and analyzed and integrated, The data list is automatically generated for easy viewing.

## Application Scenes 1










## Application Scenes 2





## Application Scenes 3

Police station


[Yingdong Public Security Bureau]


[TianJin Railway Station ]


[Foshan Public Security Bureau]


[Sanjiang Drug Treatment Center]

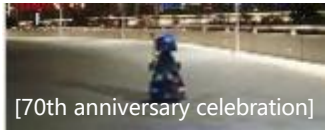

[High-speed railway public security]


[Chengdu Shuangliu Airport]

## Application Scenes 4


Dubai World Expo


[2019 Big Data Expo]


[70th anniversary celebration]


[World Robot Competition]


[Two sessions of Tiananmen Square]


[Wuhan Military Games ]


[Guiyang Ecological Conference ]


[Safety kick-off meeting]