



# Security patrol robot ANBOT-S

Security Patrol Robots and Solutions Provider

GIVE YOUR FUTURE ONE WAY MORE



## Security patrol robot ANBOT-S

Suitable for urban outdoor public spaces, such as the outer square of stadiums, communities, parks, scenic spots, schools, hospitals, prisons camps, etc.



## Features Description



## Parameters

Dimensions(L x W x H) 831 x 626 x 1230mm	Total Weight 100kg	Protection Level IP65	Working temperatur -20°~60°
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Match ground conditions Outdoor pavement	Control mode Autonomous driving, remote control, RMS, mobile APP
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## 4-Wheel Chassis

Climbing gradien 15°	Obstacle clearance capability 40mm	Run time on a full charge 8h	Shock absorption mode Four-wheel independent suspension Drive motor 250W*4, 1024-line photoelectric encoder
Drive Mode Four-Wheel Drive	Quick charge 2h	Turning Radius Turning radius Pivot steering, zero turning radius	

## Auto-Navigation

Autonomous navigation speed 1.6m/s	Maximum remote control speed 2m/s	Navigation and Position Method SLAM algorithm based on 3D lidar
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# Robot Management System (RMS)



## Functions

The Robot Management System (RMS) has core functions such as robot status management, navigation task planning, remote behavior control, real-time monitoring, historical video backtracking, real-time alarm and disposal, intelligent data analysis, patrol report management, and system parameter setting, and also be capable of providing robot and data access interfaces, seamless connection with smart security systems, police systems, and smart city systems, and cooperating with security personnel or police officers to realize remote operation management via mobile phones, computers and other remote intelligent terminals.

Robot status management

Issue of guard tasks

Real-time remote monitoring

AI image data retrieval

Remote control and emergency command

Real-time alarm and disposal

Remote media delivery

Remote audio and video intercom

Data report generation

Remote software upgrade

API development



4G / 5G / WIFI



ANBOT-S



APV-SD



APV-X



APV-SE



## Robot Management System (RMS)

### Hardware requirement

<b>CPU</b> Intel Xeon E52.1GHz or above	<b>Network card</b> Gigabit Ethernet card	<b>Hard disk</b> Over 1T	<b>Memory</b> Over 16G	<b>Video card</b> NVIDIA GeForce GTX 1060以上
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### Software requirement

<b>Operating system</b> CentOS Linux release 7.3.1611	<b>java program running environment</b> version1.8.0_121	<b>Web container server</b> Apache-tomcat-8.5.14
<b>File server</b> vsftpd-3.0.2	<b>Database software</b> mysql-5.7.18	



## Patrol and guard



Map building



Autonomous charging



Pivot steering



Maximum obstacle clearance  
of 6cm (vertical)



Autonomous obstacle avoidance



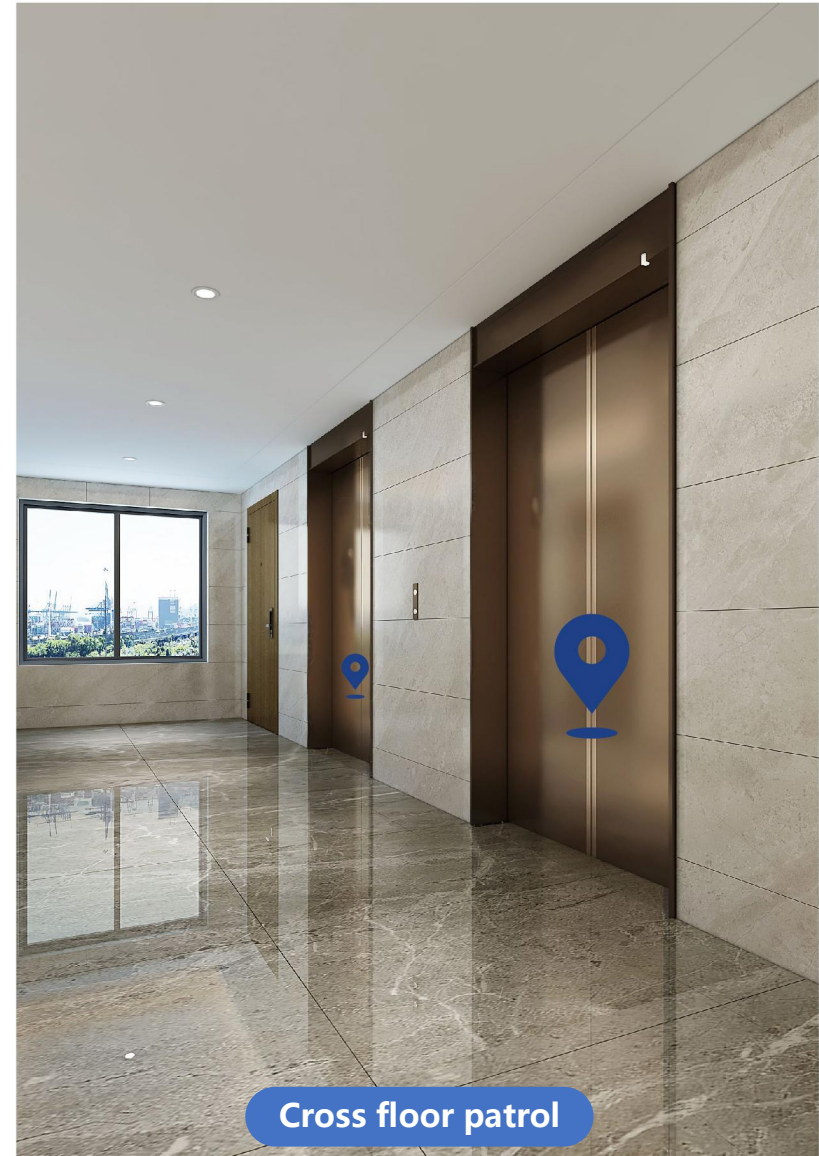
Autonomous positioning



Climbing gradient of 15°



24-hour uninterrupted patrol



Cross floor patrol

 24-hour uninterrupted patrol

Thermal imaging camera



1080P Night vision



- 360-degree monitoring without blind angle
- 4-ways HD night vision cameras (Front, back and the two sides)
  - Automatic video storage
- Historical video backtracking

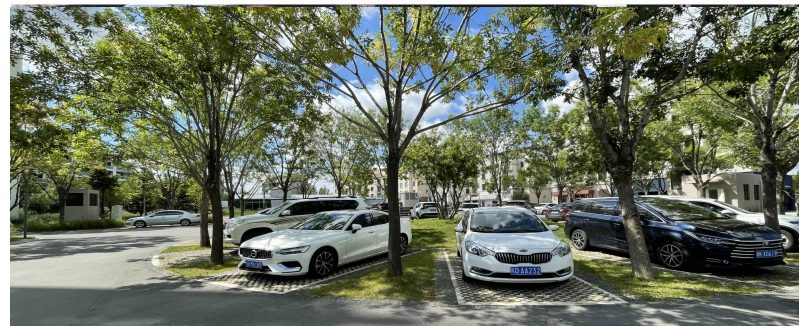


## Intelligent detection

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

The robot has the function of face recognition, which can capture the faces in the video picture and realize multi-channel concurrent comparison. It can trigger the response mechanism according to the comparison results to realize the face defense control. The system provides at least two types of face database construction, including blacklist and whitelist, and supports the entry of face data in the mobile terminal APP. The face captured by the robot terminal will be associated with the map location, and the location of face capture can be queried at any time.

With the license plate recognition function, it can accurately identify the license plate with the main road video image meeting the requirements and output the recognition results to the patrol robot system client. The system side supports the establishment of the owner's license plate database.



Vehicle license plate recognition



Face recognition



Pedestrian detection

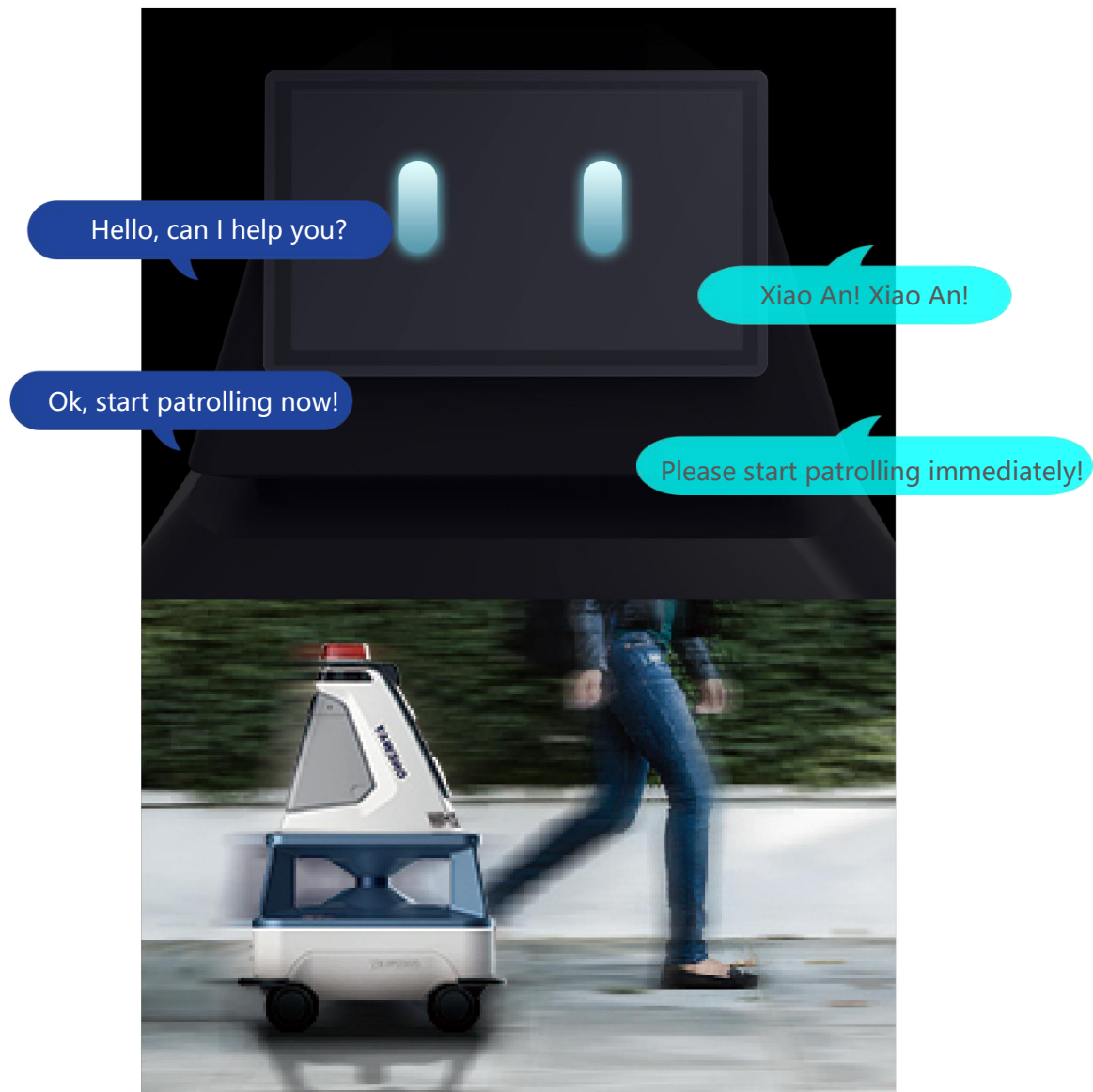
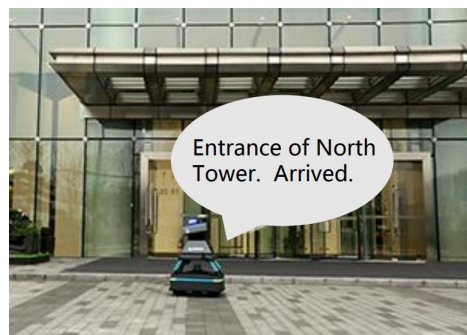
## Monitoring and early warning

- Equipped with thermal imaging camera
  - Equipped with various sensors
    - Heat source monitoring
  - Temperature and humidity monitoring
    - Smoke monitoring
- Automatic early warning to reduce potential safety hazard





- Announcement broadcast
  - Voice prompts
    - Guide
  - Voice interaction
    - Advertising

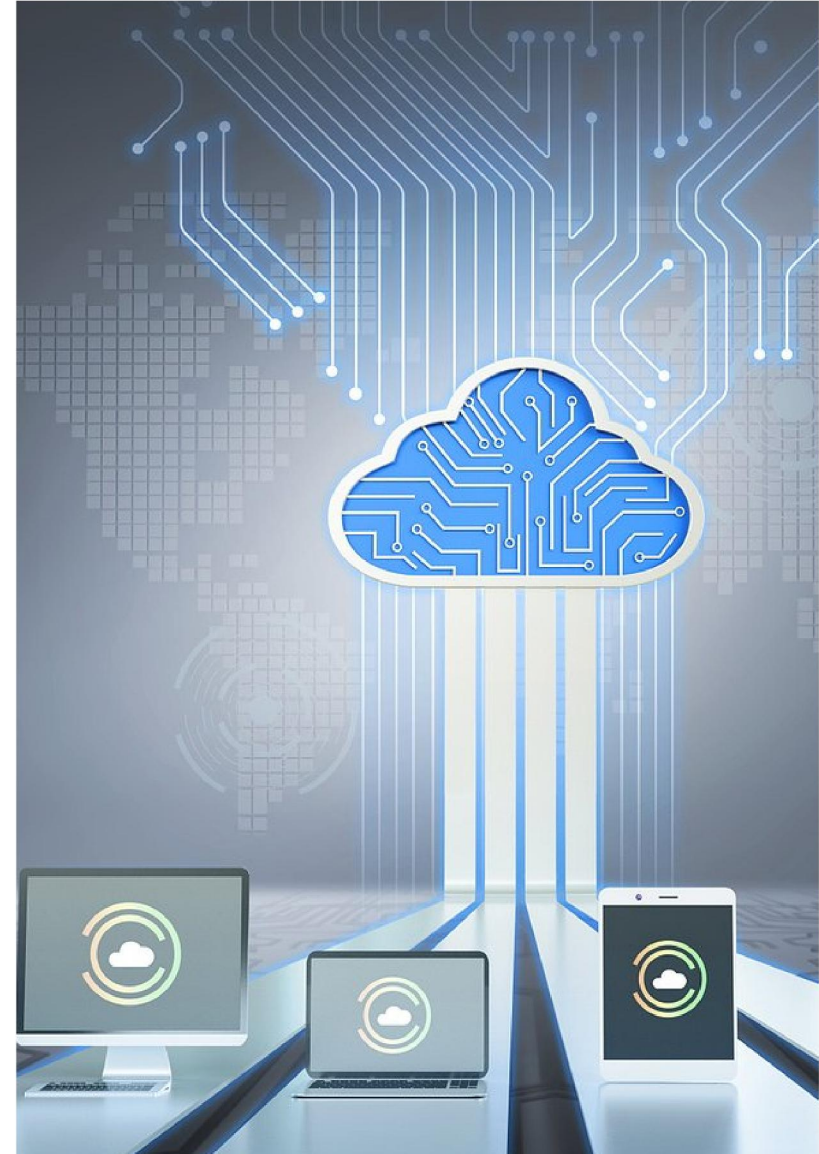




## Remote disposal, warning and deterrence

### Support remote control of multiple devices

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

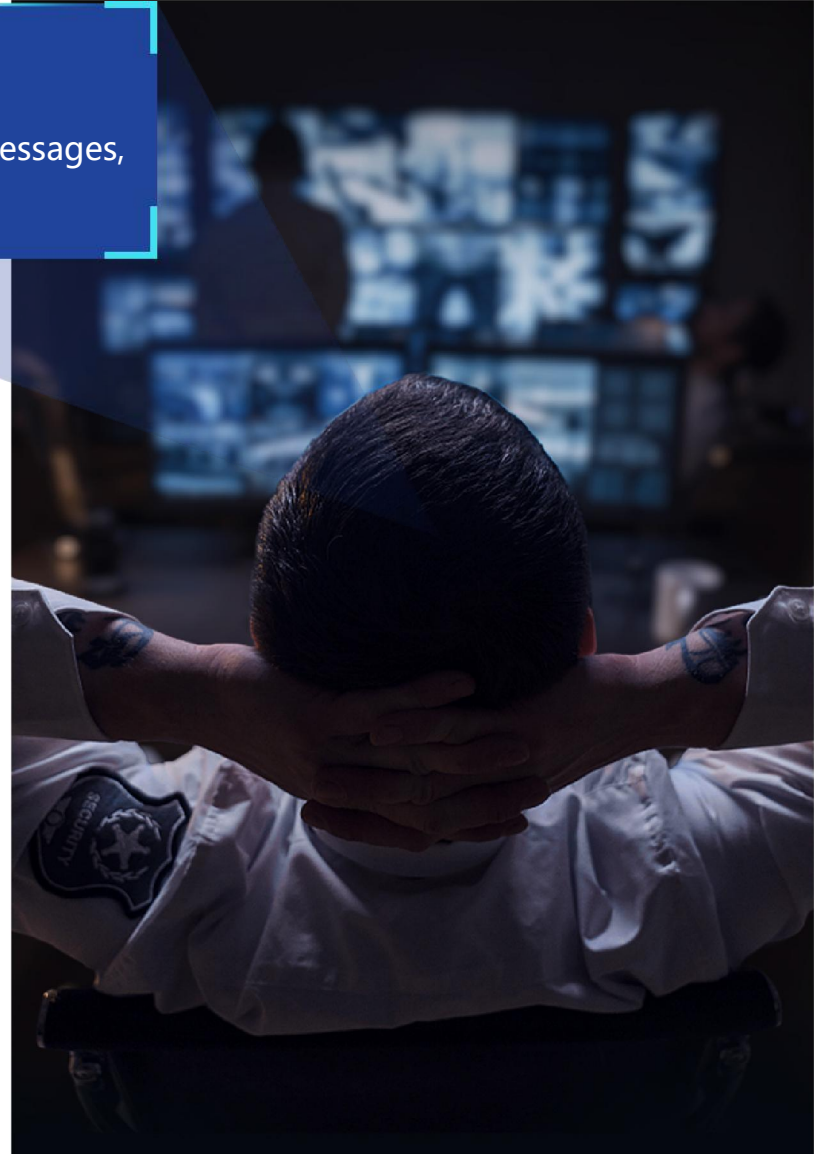


 **Big data analysis**

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.

**WARNING!**

You have 6 new messages,  
View now?





## AD guidelines

ANBOT can be equipped with a 19-inch large LED display screen and hi-fi stereo, which can be used for notification, publicity and guidance, interpretation tips, etc. With the robot's novel appearance, it is easier to attract the attention of passers-by, which can greatly reduce the work intensity of the propaganda staff, carry out advertising and investment, and increase the income.



## Application Scenes 1



Residence District



[Juzizhoutou Scenic Spot]



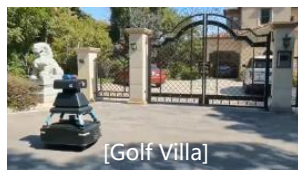
[Culture and Art Center]



[Jinan Transportation Industrial Park]



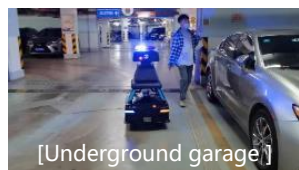
[Beijing Grasse Town]



[Golf Villa]



[Jiangxinzhou Tourist Area]



[Underground garage]



[Yili Park]



[PetroChina Tianjin Building]

## Application Scenes 2



Shenzhen Mawan Port



[Mawan Port]



[Remote control center]



[Dalian Port]



## 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]

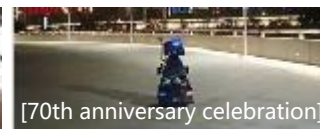
## Application Scenes 4



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]