

# Hytera Patrol System

Real time management, safeguard personnel and facility



# System Introduction

Hytera's patrol system solution is very cost effective, easy to manage, can increase quality of communication, and accelerate data transmission. It can also optimize work progress, allowing the user to monitor real-time checking action, handle alarms in real-time, and manage patrol data more efficiently. Other features available in Hytera's patrol system solution include open API, map importing and much more.

There are various fields Hytera's patrol system could assist in, including but not limited to:



Bank



Residential & Commercial property



Factory



Retail



Warehouse



Hotel

# Patrol Device

Hytera patrol system solution consists of patroller ID card, patrol checkpoint and patrol radio PD412. The patroller ID card and patrol checkpoint contain passive RFID tags and the radio has an installed RFID reader. All the RFID tags and reader provide open API for customization.

| Patrol Accessories   | Patrol Radio   |
|--|--|
|  <p data-bbox="464 1636 639 1664">Patroller ID card</p> |  <p data-bbox="951 1619 1023 1647"><b>PD412</b></p> <ul data-bbox="951 1662 1398 1914" style="list-style-type: none"> <li>· UHF: 400-470Mhz / 4W(High); 1W(Low)</li> <li>· VHF: 136-174Mhz / 5W(High); 1W(Low)</li> <li>· 16 Hours (1500mAh); 22 Hours (2000mAh)</li> <li>· U.S.A Military Standard &amp; Ip54</li> <li>· Analog &amp; Digital auto detect</li> <li>· Embedded RFID</li> <li>· Up to 250 of offline date could be stored</li> </ul> |
|  <p data-bbox="464 1882 660 1910">Patrol Checkpoint</p> |  |



## Patrol software

### Basic data management

Users are allowed to manage the information about patrollers, checkpoints and patrol routes in the software.

### Visualized interface

The software is supporting import customized map and place checkpoints on the map.

### Real-time monitor

All the checking actions would be recorded and the latest checked one would be marked on the map.

### Patrol alarm

Software could report events in real-time, indicating the position and sound the alarm.

### Query and statistics

Users could query patrol data with different query conditions and export into Excel or PDF file.

### Patrol plan (Only in Expert Mode)

In the expert mode, user could establish strict plan to carry out a better guard tour.

| Alarm Type   | Alarm No. | Alarm Time          | Alarm Location | Alarm Status | Alarm Message    |
|--------------|-----------|---------------------|----------------|--------------|------------------|
| Patrol Alarm | 000001    | 2018-01-01 10:00:00 | Area A         | Success      | Patrol completed |
| Patrol Alarm | 000002    | 2018-01-01 10:05:00 | Area B         | Success      | Patrol completed |
| Patrol Alarm | 000003    | 2018-01-01 10:10:00 | Area C         | Success      | Patrol completed |
| Patrol Alarm | 000004    | 2018-01-01 10:15:00 | Area D         | Success      | Patrol completed |
| Patrol Alarm | 000005    | 2018-01-01 10:20:00 | Area E         | Success      | Patrol completed |
| Patrol Alarm | 000006    | 2018-01-01 10:25:00 | Area F         | Success      | Patrol completed |
| Patrol Alarm | 000007    | 2018-01-01 10:30:00 | Area G         | Success      | Patrol completed |
| Patrol Alarm | 000008    | 2018-01-01 10:35:00 | Area H         | Success      | Patrol completed |
| Patrol Alarm | 000009    | 2018-01-01 10:40:00 | Area I         | Success      | Patrol completed |
| Patrol Alarm | 000010    | 2018-01-01 10:45:00 | Area J         | Success      | Patrol completed |

Real time monitor and alarm report

| Alarm Type   | Alarm No. | Alarm Time          | Alarm Location | Alarm Status | Alarm Message    |
|--------------|-----------|---------------------|----------------|--------------|------------------|
| Patrol Alarm | 000001    | 2018-01-01 10:00:00 | Area A         | Success      | Patrol completed |
| Patrol Alarm | 000002    | 2018-01-01 10:05:00 | Area B         | Success      | Patrol completed |
| Patrol Alarm | 000003    | 2018-01-01 10:10:00 | Area C         | Success      | Patrol completed |
| Patrol Alarm | 000004    | 2018-01-01 10:15:00 | Area D         | Success      | Patrol completed |
| Patrol Alarm | 000005    | 2018-01-01 10:20:00 | Area E         | Success      | Patrol completed |
| Patrol Alarm | 000006    | 2018-01-01 10:25:00 | Area F         | Success      | Patrol completed |
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Patrol data query and statistics



## System reliability

### Patrol data resend

A reprogrammed button of PD412 could be set to manual resend, in case of signal blind spot.



Patrol Data transmission failure in weak signal



Move to an open area where signal is better



Press a preprogrammed button to resend patrol data

### Offline data upload

The PD412 radio could store the patrol data in local storage and could upload to software via cable.



Patrol Data transmission failure



Attach the Radio to the computer with patrol software



Offline data in the Radio could be wiped out after transmitted

### Patrol data backup

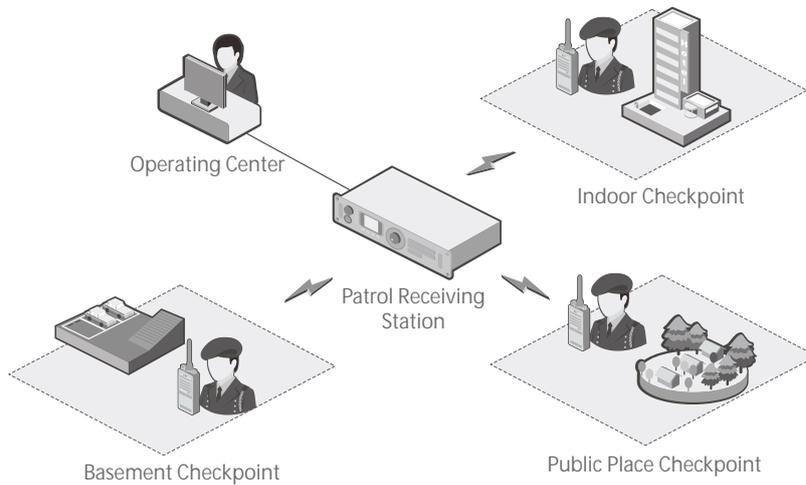
An external backup file stores basic data, logs and software configuration.

# System Introduction

Most of Hytera's products, including repeater RD622/RD962/RD982/RD98XS or mobile radio MD782 could work as receiving station in the patrol system.

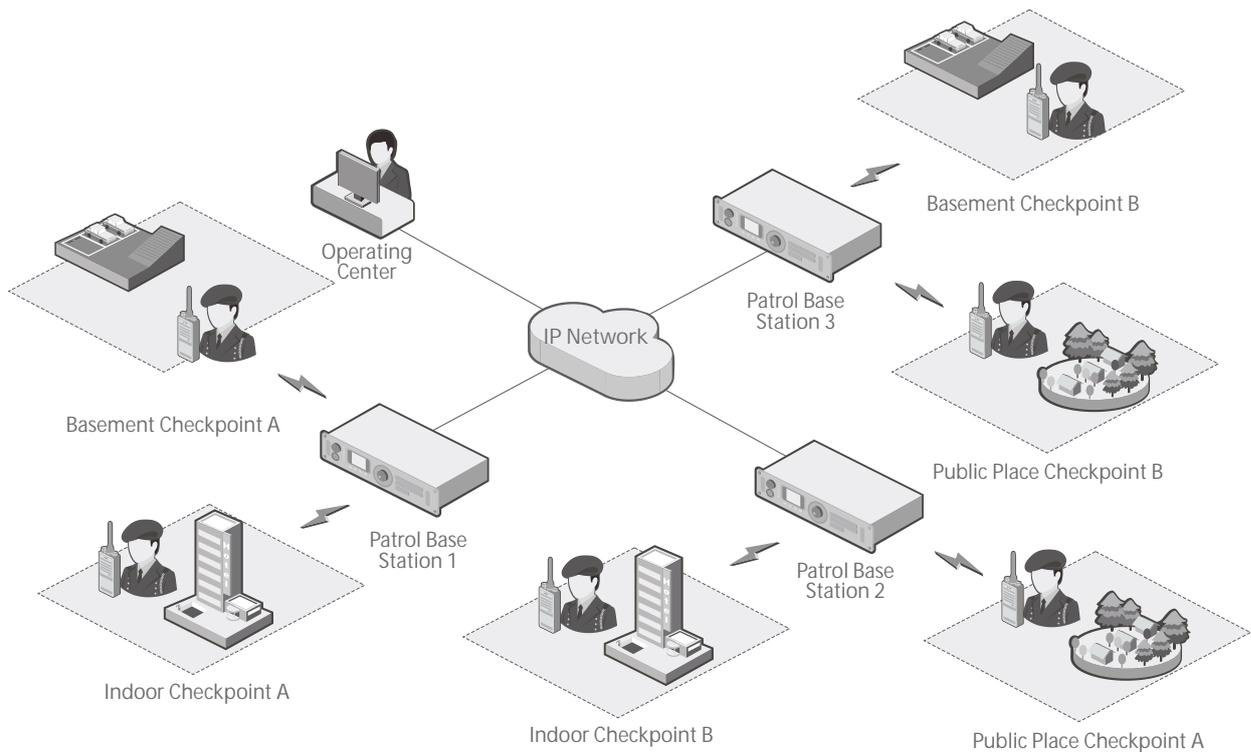
## Single site

Easy to deploy, cheap prices, reduce blind spots, recommended for commercial aspects



## Multi sites

Up to 3 repeaters can be connected by IP network with various applications, integrated guard tour work management, suggesting for professional customer.





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