

 SERIES

Hytera 



Real time management, safeguard personnel and facility

# Hytera Patrol System

# 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 PD412i. 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="954 1619 1034 1647"><b>PD412i</b></p> <ul data-bbox="954 1662 1401 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.

Event No.	Event Time	Event Type	Event Location	Event Status	Event Description
10000001	2018-01-01 10:00:00	Alarm	Area A	Active	Alarm triggered at Area A
10000002	2018-01-01 10:05:00	Check-in	Area B	Completed	Patrol completed at Area B
10000003	2018-01-01 10:10:00	Check-out	Area C	Completed	Patrol completed at Area C
10000004	2018-01-01 10:15:00	Alarm	Area D	Active	Alarm triggered at Area D
10000005	2018-01-01 10:20:00	Check-in	Area E	Completed	Patrol completed at Area E
10000006	2018-01-01 10:25:00	Check-out	Area F	Completed	Patrol completed at Area F
10000007	2018-01-01 10:30:00	Alarm	Area G	Active	Alarm triggered at Area G
10000008	2018-01-01 10:35:00	Check-in	Area H	Completed	Patrol completed at Area H
10000009	2018-01-01 10:40:00	Check-out	Area I	Completed	Patrol completed at Area I
10000010	2018-01-01 10:45:00	Alarm	Area J	Active	Alarm triggered at Area J

Real time monitor and alarm report

Event Type	Event No.	Event Location	Event Status	Event Time	Event Description
Alarm	10000001	Area A	Active	2018-01-01 10:00:00	Alarm triggered at Area A
Check-in	10000002	Area B	Completed	2018-01-01 10:05:00	Patrol completed at Area B
Check-out	10000003	Area C	Completed	2018-01-01 10:10:00	Patrol completed at Area C
Alarm	10000004	Area D	Active	2018-01-01 10:15:00	Alarm triggered at Area D
Check-in	10000005	Area E	Completed	2018-01-01 10:20:00	Patrol completed at Area E
Check-out	10000006	Area F	Completed	2018-01-01 10:25:00	Patrol completed at Area F
Alarm	10000007	Area G	Active	2018-01-01 10:30:00	Alarm triggered at Area G
Check-in	10000008	Area H	Completed	2018-01-01 10:35:00	Patrol completed at Area H
Check-out	10000009	Area I	Completed	2018-01-01 10:40:00	Patrol completed at Area I
Alarm	10000010	Area J	Active	2018-01-01 10:45:00	Alarm triggered at Area J

Patrol data query and statistics



## System reliability

### Patrol data resend

A reprogrammed button of PD412i 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 PD412i 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

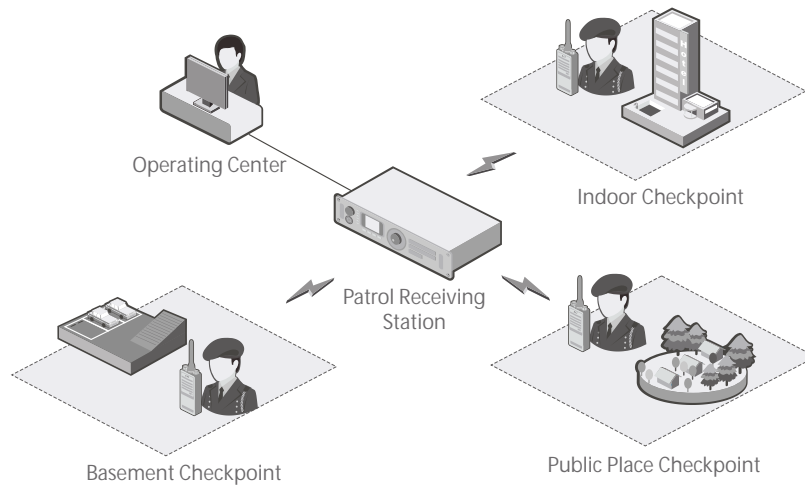
An external backup file stores basic data, logs and software configuration.

# System Introduction

Most of Hytera's products, including repeater RD622i/RD962i/RD982i/RD982i-S or mobile radio MD782i could work as receiving station in the patrol system.

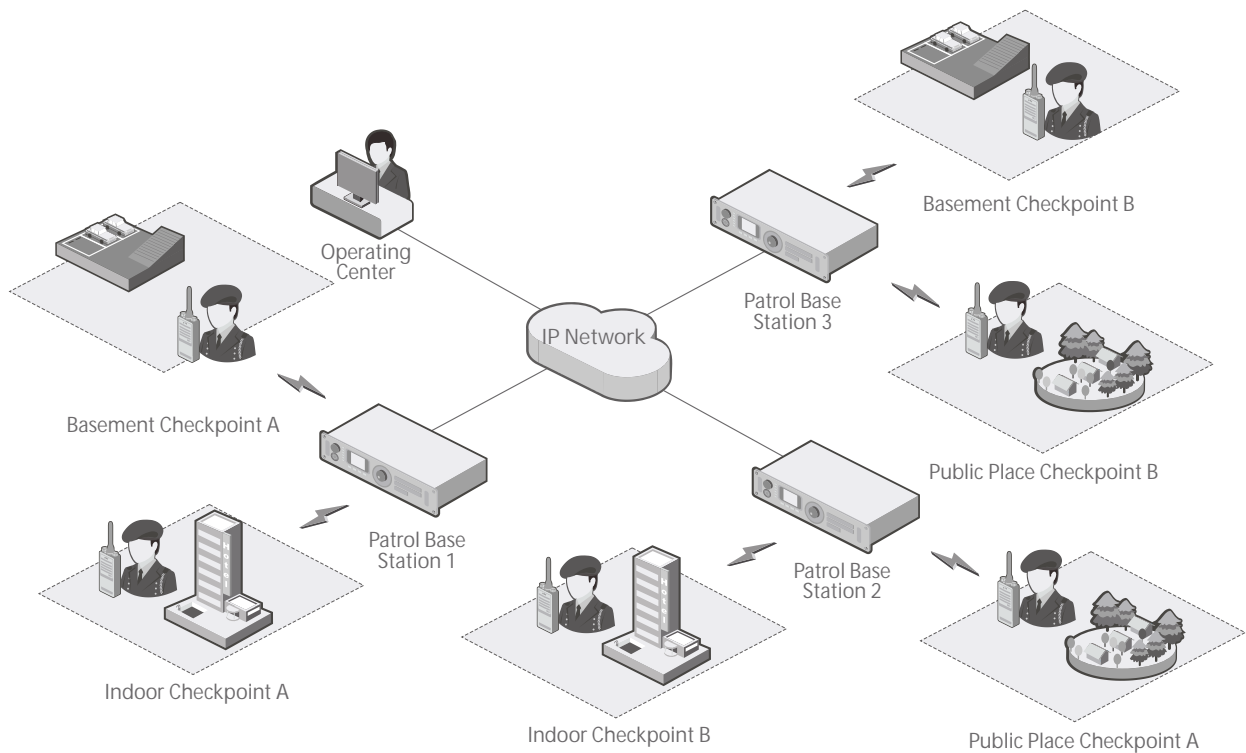
## Single site

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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