

# Hytera Patrol System

Real time management, safeguard personnel and facilities



# System Introduction

The Hytera Patrol System is a cost-effective and user-friendly solution for real time patrol or "guard tour" management. It can be utilised to enhance site communication, improve staff safety and increase situational awareness. With an open API, the Hytera Patrol System allows for further customisation such as the ability to import your own maps.

There are many sectors where the Hytera Patrol System could be of great assistance. Several of these are listed below.



Bank & Finance



Residential & Commercial Property



Manufacturing



Retail



Warehouse



Hotel & Hospitality

# Hytera Patrol Devices

The Hytera Patrol System consists of patroller ID cards, patrol checkpoints and a patrol radio (Hytera PD415). The patroller ID card and patrol checkpoints contain passive RFID tags. The PD415 radio contains an RFID reader. Both the RFID tags and reader have open APIs for future customisation.

Patrol Accessories	Patrol Radio
 <p data-bbox="395 1619 667 1645"><b>Patroller ID card (POA72)</b></p>	 <p data-bbox="954 1619 1026 1645"><b>PD415</b></p> <ul data-bbox="954 1662 1401 1942" 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>· US Military Standard &amp; IP54</li> <li>· Analogue &amp; Digital auto detect</li> <li>· Embedded RFID</li> <li>· Up to 250 instances of offline data can be stored within the radio to be read later.</li> </ul>
 <p data-bbox="411 1882 703 1908"><b>Patrol Checkpoint (POA71)</b></p>	



## Patrol software

### Basic data management

Users are able to manage information about the patroller, checkpoints and patrol routes via easy-to-use Patrol software.

### Visualised interface

The Hytera Patrol Software supports the import of customised maps. Once these maps are imported, users can place the Patrol Checkpoints at the relevant locations on the map.

### Real-time monitoring

All actions will be recorded and the latest Patrol Checkpoint the patroller has visited will be marked on the map.



Real-time monitoring and alarm reporting

### Patrol alarm

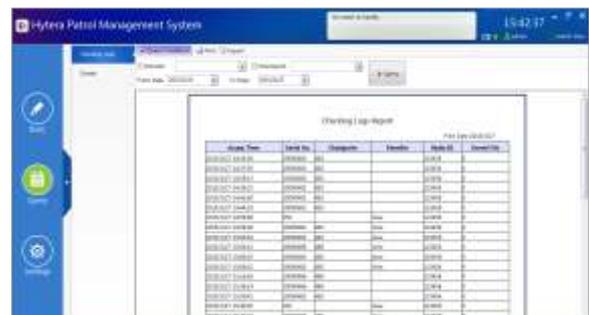
The Patrol Software reports events in real-time, alerting when a patroller has pressed their emergency button and indicating the last scanned Patrol Checkpoint.

### Query and statistics

Users can query the patrol data and run a variety of reports. These reports can subsequently be exported into Excel or PDF for reference and future accountability.

### Patrol plan (Expert Mode only)

When operating in "Expert Mode", users can establish a strict plan for their patrol routes.



Patrol data query and statistics



## System reliability

### Patrol data re-send

A pre-programmed button on the Hytera PD415 radio can be set up for "manual re-send" if the radio is out of range of the receiving station.



Patrol Data transmission failure in weak signal



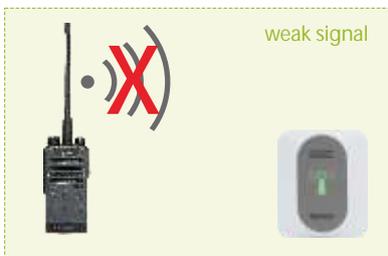
Move to an open area where signal is better



Press a preprogrammed button to resend patrol data

### Offline data upload

If there are multiple areas with weak signal, the PD415 radio can store patrol data within its internal memory and upload it directly to the Patrol Software via cable at the end of a patroller's shift.



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

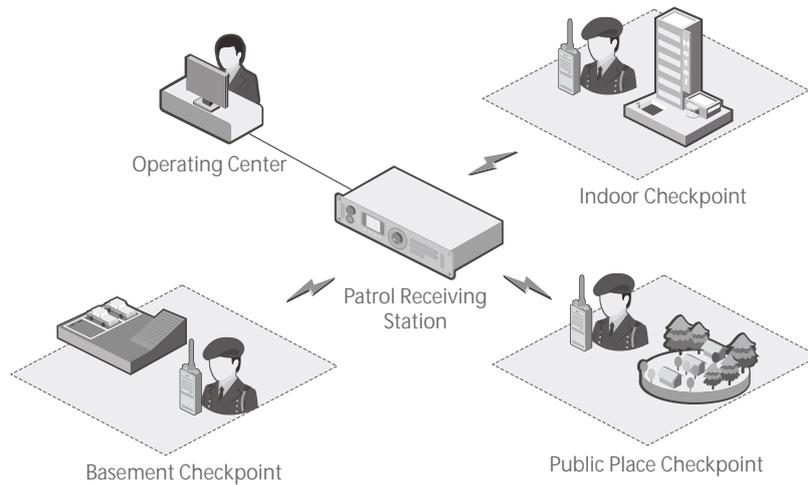
An external backup file stores basic data, logs and software configuration.

# System Introduction

Many of Hytera's repeaters (RD625, RD965, RD985, RD985S) and Hytera MD785 mobile can work as a receiving station for the Patrol System.

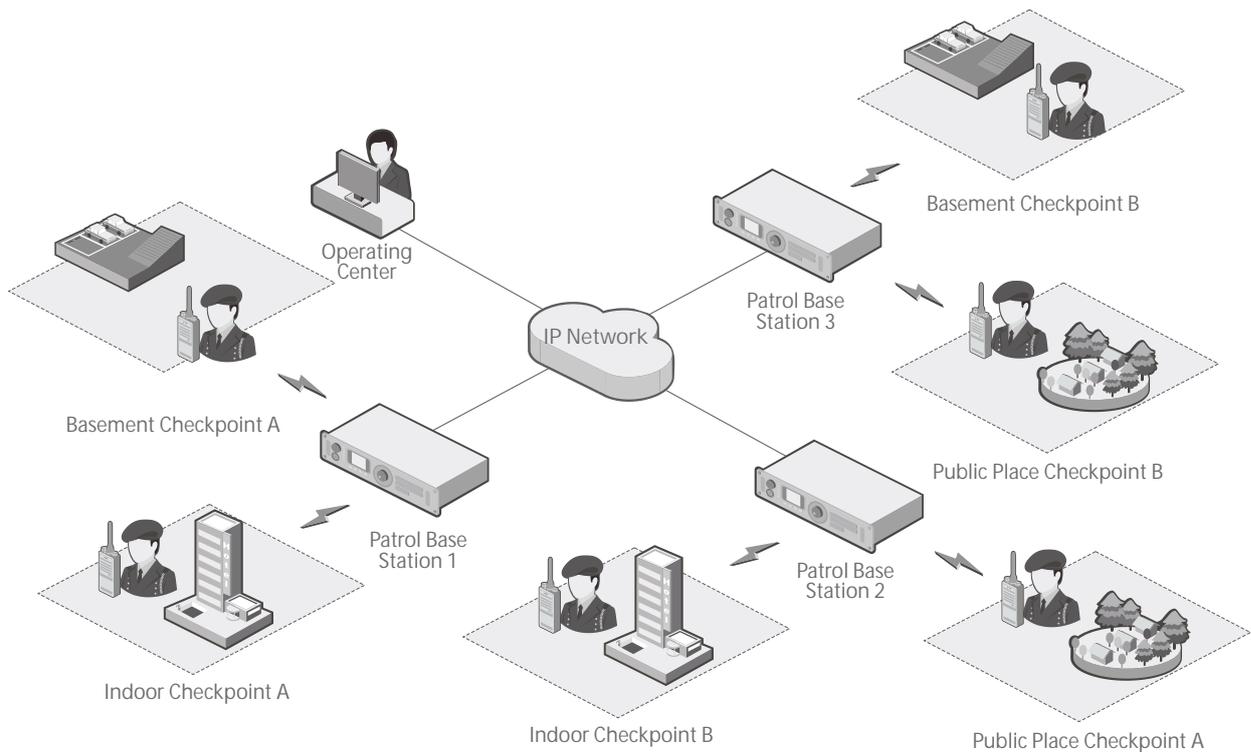
## Single site

Easy-to-deploy, cost-effective, single repeater/mobile solution.



## Multi-Sites

Up to 3 repeaters can be connected by IP with various applications, integrated guard tour work management. Ideal for customers with larger sites or multiple premises.





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