Hytera Patrol System

Real time management, safeguard personnel and facilities

www.hytera.co.uk

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
Patroller ID card (POA72)	**PD415** ・UHF: 400-470Mhz / 4W(High); 1W(Low) ・VHF: 136-174Mhz / 5W(High); 1W(Low) ・16 Hours (1500mAh); 22 Hours (2000mAh) ・US Military Standard & IP54 ・Analogue & Digital auto detect ・Embedded RFID ・Up to 250 instances of offline data can be stored within the radio to be read later.
Patrol Checkpoint (POA71)	

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

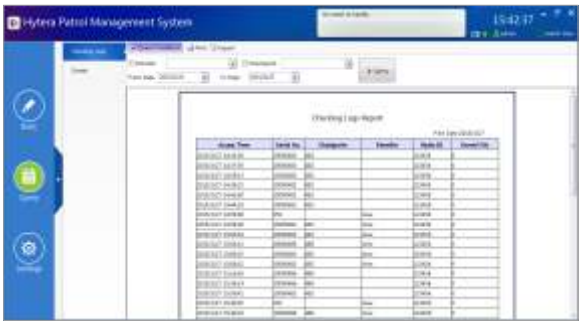
The Patrol Software reports events in real-time, alerting when a patroller has pressed their emergency button and indicating the last scanned Patrol Checkpoint.

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.

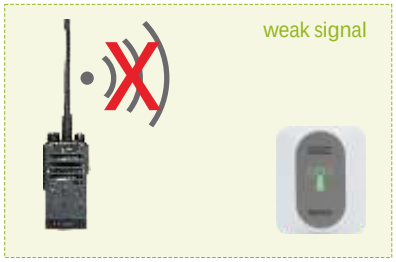
Patrol Data transmission failure in weak signal

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 it's 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

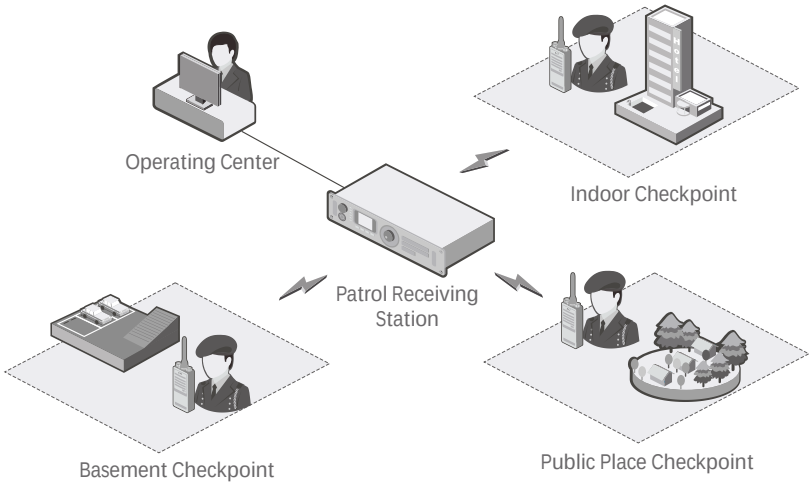
An external backup file stores basic data, logs and software configuration.

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.

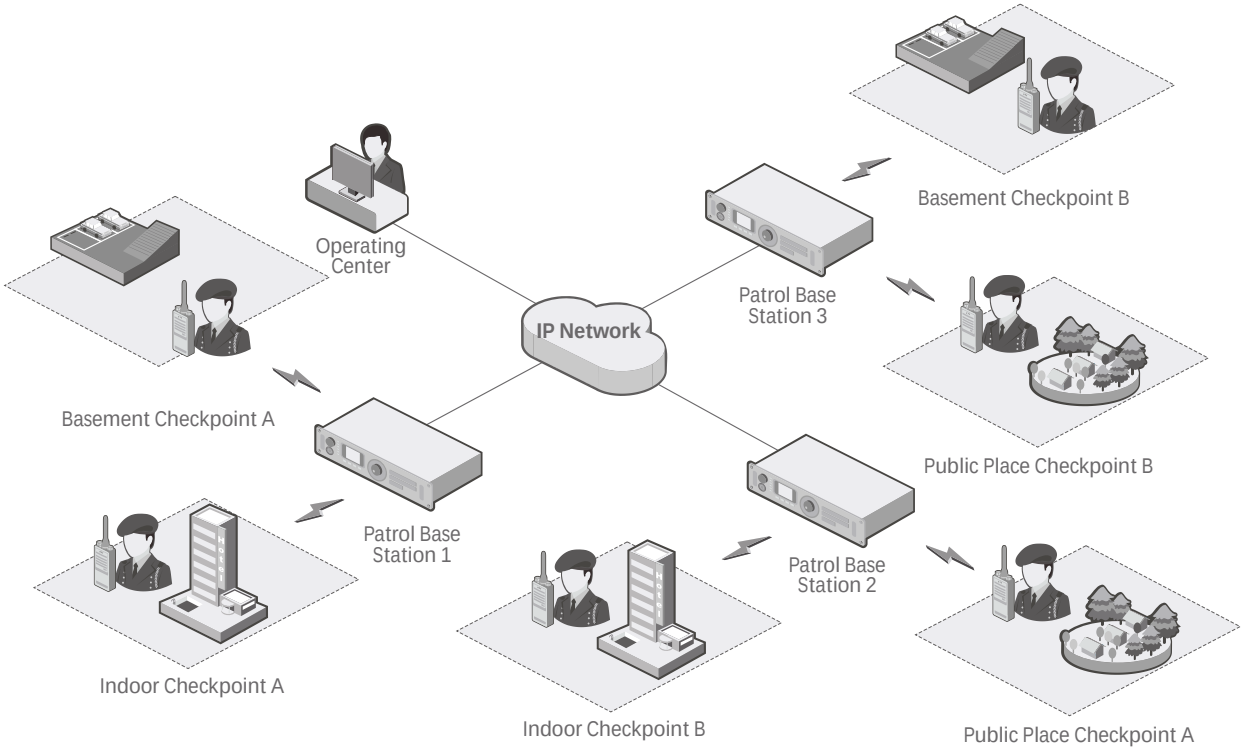
Single site

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.



Hytera

Respond & Achieve

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