Hytera

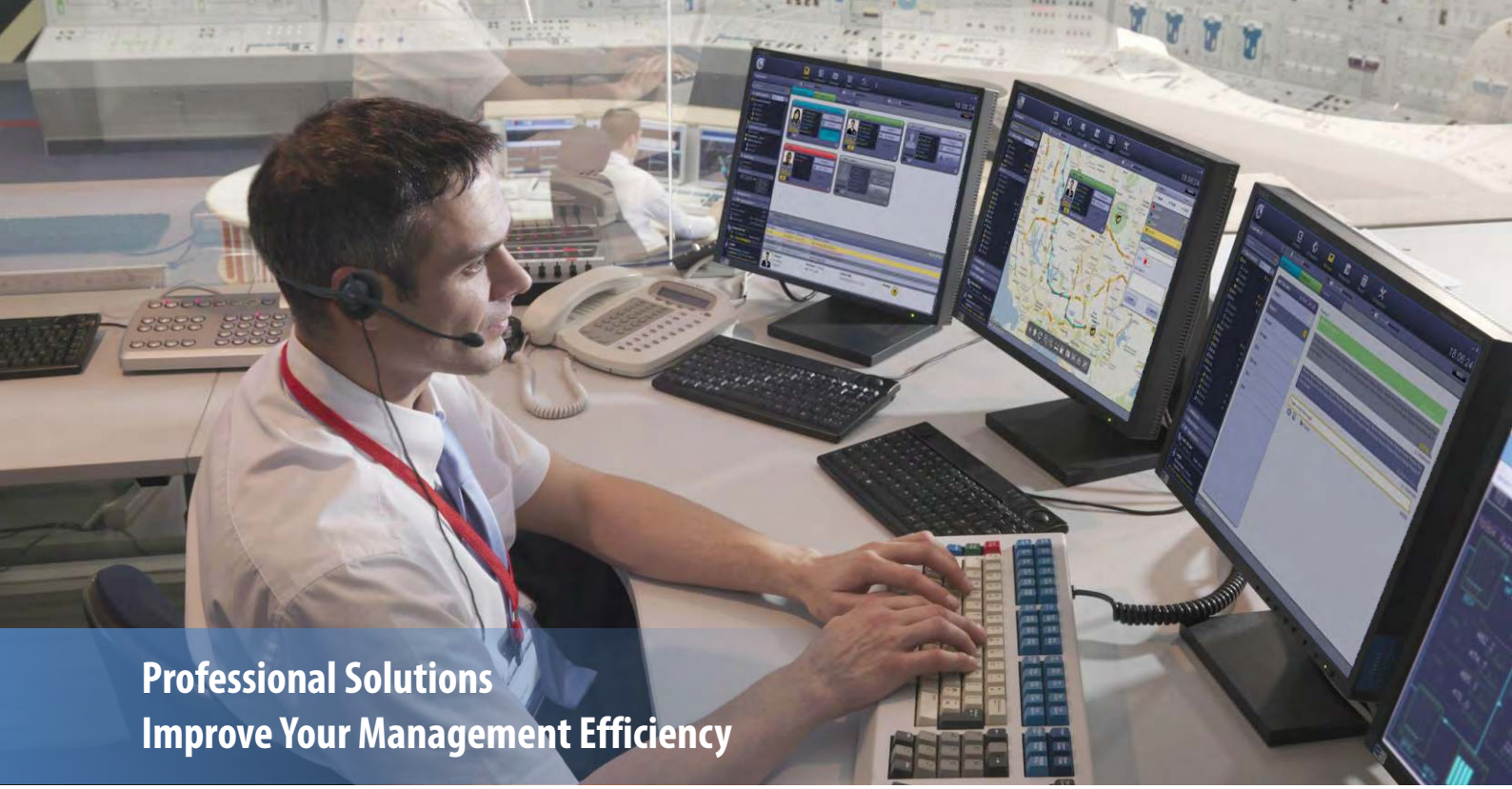


Hytera Smart Dispatch

- High efficiency management
- Integrated applications
- Flexible network
- User-friendly design



www.hytera.com



Professional Solutions
Improve Your Management Efficiency

Fast respond for the government

The increasing frequency of natural disasters and public emergencies poses a great challenge to government organizations like police, law-enforcement and firefighting. To better response when emergency strikes, a secure, reliable and efficient dispatching system is in urgent demand.

High efficiency for business group

In an ever-changing world and ever-evolving working environment, highly-efficient resource deployment and quick response to customers is a must for every business group strives for survive and growth.

Hytera understands what you need

As a leading supplier of professional wireless communications equipment and solutions, Hytera has explored for more than 20 years in PMR industry and gained lots of experience. Now we are ready to help you conquer these challenges with Hytera Smart Dispatch digital dispatching solution.

Hytera Smart Dispatch

Hytera Smart Dispatch is a dispatching system developed on Hytera digital platform compliance to ETSI DMR open standard, is designed for efficient communication, management and dispatching of professional users. Characterized by C/S structure, modularized design and supporting VoIP, Hytera Smart Dispatch delivers you an enhanced dispatching and deployment platform with tailored communications network and control center.



KEY FEATURES

VOICE

All Types Of Voice Call

Supports all types of calls including private call, group call and all call to meet your various dispatching operation needs.



Voice Recording & Playback

Record all voice calls in network. Easy search and playback.

Audio Link

Support voice call from different radio systems or across radio networks.

Telephone Interconnection

Support SIP standard protocol to integrate with standard IP-PBX to achieve voice interconnection.

Dispatcher Intercom

All online dispatchers can make a half-duplex call or send a short message to each other.

DATA SERVICES

On-line/off-line Status Reporting

The radio will send its online/offline status to control station while the radio is power-on/power-off.

Message

Send different short messages to one radio or radio group. Including predefined message and offline message.

E-mail Interconnection

Users can send emails to subscriber radios. Subscriber radios are also allowed to send text messages to any email address.

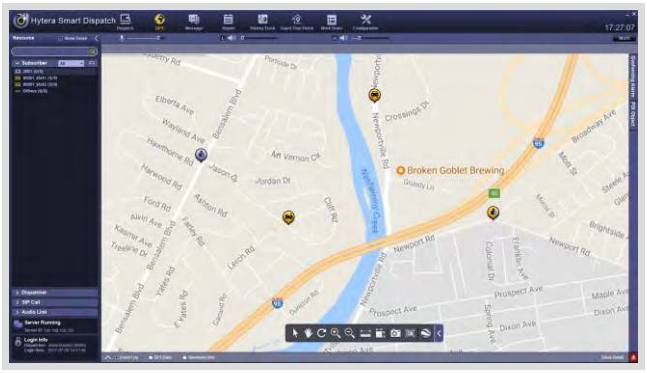
Report Enquiry

Supports generation of various reports. These reports can be enquired through keyword, or be exported in Excel or HTML format.

GPS(AVL)

GPS Positioning

Show the GPS position on the map. The supported electronic map types include GoogleMap Local, GoogleMap, MapX, MapXtreme, or OpenStreetMap. You can install either the MapX or the MapXtreme on the same server.



Multiple Mapping Engines Support

Users can choose their own preferable mapping engines based on their specific usage requirements. These mapping engines are Google Maps, MapInfo, Google Offline Map, Open Street Map, User defined Map, etc.

Real-time/History Track

This feature allows Smart Dispatch to track the location of radios in real-time and display the location route with street name on the map. It can also be stored in database, dispatcher can enquire and play it at any time.



User Defined Map

Use the Map Tiles Maker to define your own map.

Call On Map

On the map, you can directly make a call to the radio subscriber.

SAFETY

Database Backup & Recovery

Support both manual backup or scheduled backup to protect database and recordings against data loss.

Authority Management

The administrator can assign dispatchers with specific authority.

Disable/Enable

Dispatcher can disable or enable a radio remotely. If a radio is offline, the server will save the command and execute when the radio is online.

Remote Monitor

Dispatcher can remotely turn on the microphone of a radio, covertly monitor and record any audible activities surrounding that radio.

Call Alert

If dispatcher failed to call a radio subscriber, it is able to send a Call Alert to remind the radio holder to call back.

ALARM

Emergency Alarm

When the emergency is triggered, highlighting emergency message on the top of dispatcher workspace and sounding the siren.



Geofencing Alarm

Users define regions on the map as working region for radios. Once radios went out .Smart Dispatch will send an Emergency message.

Over/Low Speed Alarm

An alarm message will be dispatched to the over/low speed radios.

Lone Worker

When the users didn't operate the radio for the pre-set time, the radio will automatically send an alarm.

APPLICATION

Telemetry

Via the Smart Dispatch Client, you can remotely monitor the status of the external device connected to the radio, as well as controlling it.

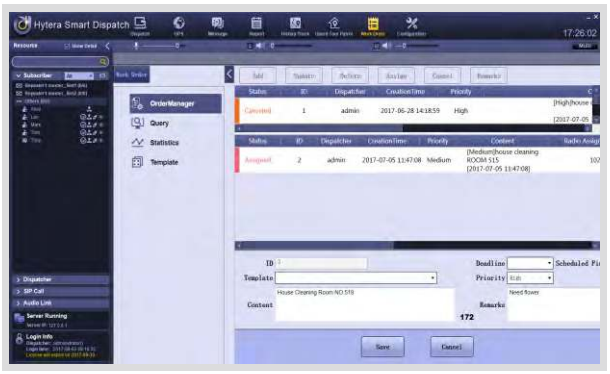
Guard Tour Patrol Management

Provide customized patrol plan. It allows the administrator to add/edit the patrol plan through setting patrol route, patroller and the time period of the plan. Integrated with the PD41X and PD7 patrol solutions, users can easily add patrol officers and patrol beacon points to monitor the real-time events.



Work Order

The dispatcher can create a new work order, assign job tickets to the terminals via the work order and at the same time monitor the status of the work order. It can also support query and statistics which can help the dispatcher improve the management efficiency.

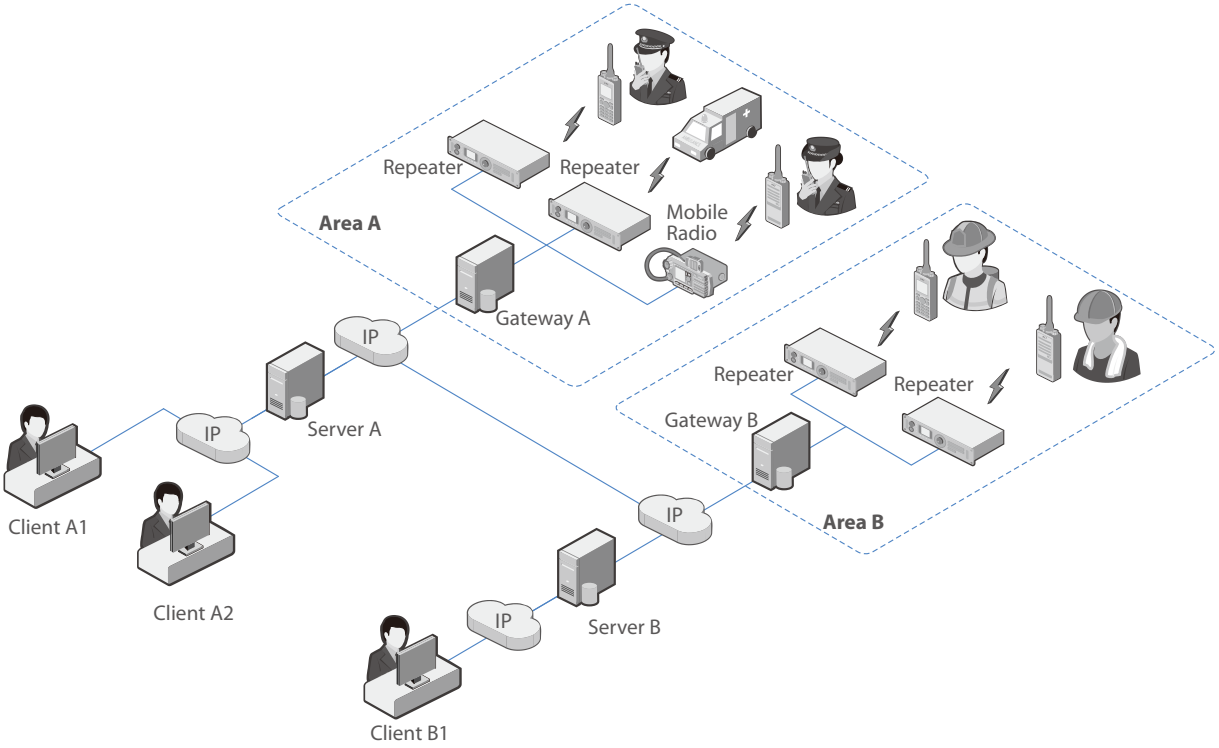


Over-The-Air-Programming (OTAP)

Remote program some parameters on one or multiple terminals in the same time. Eg, radio ID, radio Alias, color code, slot operation, Tx & Rx frequency, Rx group list, Tx contact name.

FLEXIBLE DISTRIBUTED NETWORKING

- Server, gateway and client can be deployed in different places.
- Server, gateway and client can also be installed on the same computer.
- Both repeaters and mobile radios can access the Smart Dispatch.



Typical Architecture For Smart Dispatch

TARGET MARKETS


Public Safety


Transportation


Hospital


Hotel


Manufacturing


Shopping Mall

SPECIFICATIONS

System Requirements

Operating System	WIN XP sp3+/WIN7 sp1+/win10
Server Operating System	WIN XP sp3+/WIN7 sp1+/Window Server 2012/win10
RAM	⩾ 2.0G
One Voice Channel Bandwidth	>120Kbps
Database	MySQL5.1(Hytera dispatch system V2.5), Microsoft SQL2005/Microsoft SQL2008 (Hytera dispatch system V3.0+)
Other	Microsoft .NET Framework 4.0

System Capacity

1 Server	maximum 32 clients
	maximum 24 gateways
	maximum 32 voice channels
1 Gateway	maximum 16 dispatching repeaters access or 4 dispatching mobile radios access

Firmware Version

USB	V5.30.41.0
Repeater	V8.5 or above
Mobil Radio	V8.5 or above
Terminal	V8.5 or above

Hytera
Respond & Achieve

Hytera Communications Corporation Limited
Stock Code: 002583.SZ

Address: Hytera Tower, Shenzhen Hi-Tech Industrial Park North,
Beihuan RD.9108#, Nanshan District, Shenzhen, P.R.C.
Tel: +86-755-2697 2999 **Fax:** +86-755-8613 7139 **Post:** 518057
Http: //www.hytera.com **marketing@hytera.com**

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