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Hytera

Hytera Hytalk Sight Visual Dispatch System

- High Scalability
- Open Platform
- Diverse Features
- Flexible Access
- Optimal Performance

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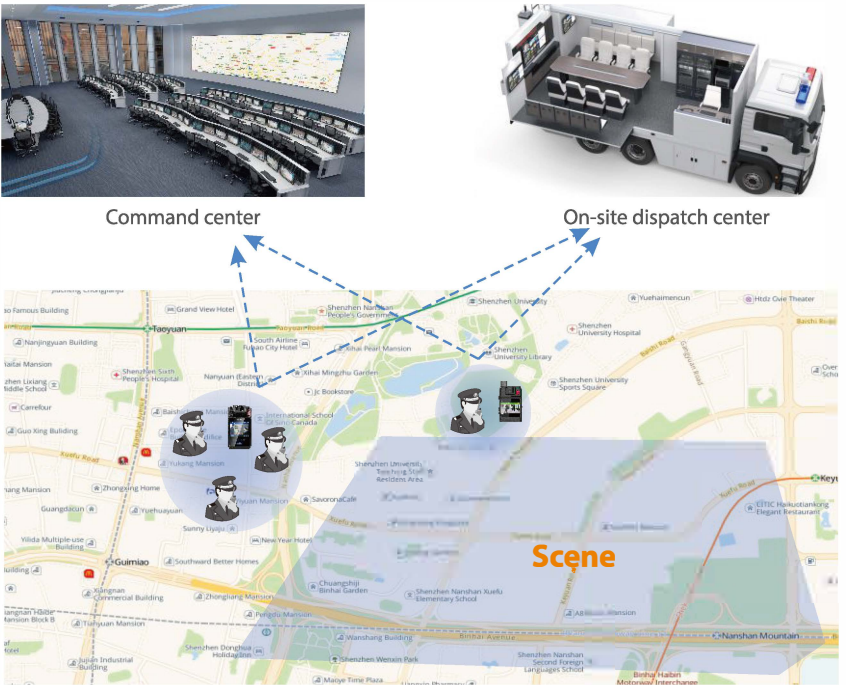
www.hytera.com

Hytera Hytalk Sight Visual Dispatch System

Hytera Hytalk Sight Visual Dispatch Platform is a comprehensive body worn cameras (BWCs) management solution. It integrates the video surveillance, visualized dispatch, and push-to-talk communications into a collaborative solution with enhanced user experience. This effectively removes barriers to information access and sharing for both frontline officers and commanders.

With the user-friendly interface, you can easily and quickly access the live video, photos, and audio captured by the BWC. At the click of a button, you can talk with your people in the field. All of these presents clear and easily understood information for better situational awareness to ensure resource synchronization and officer safety.

Command center

On-site dispatch center

Scene

Highlights

Flexible Access

• Supports standard protocols including ONVIF, T28181, and RTSP.
• Allows the IPC, DVR, DVS, NVR, HVR, mobile phone, and other mainstream video devices to access the system through 3G/4G/WLAN networks.

Open Platform

Supports third-party applications such as face recognition, video surveillance, and information security.

Optimal Performance

• Provides 7x24 stable system services with built-in watchdog.
• Can be deployed in public, private, or local area network.
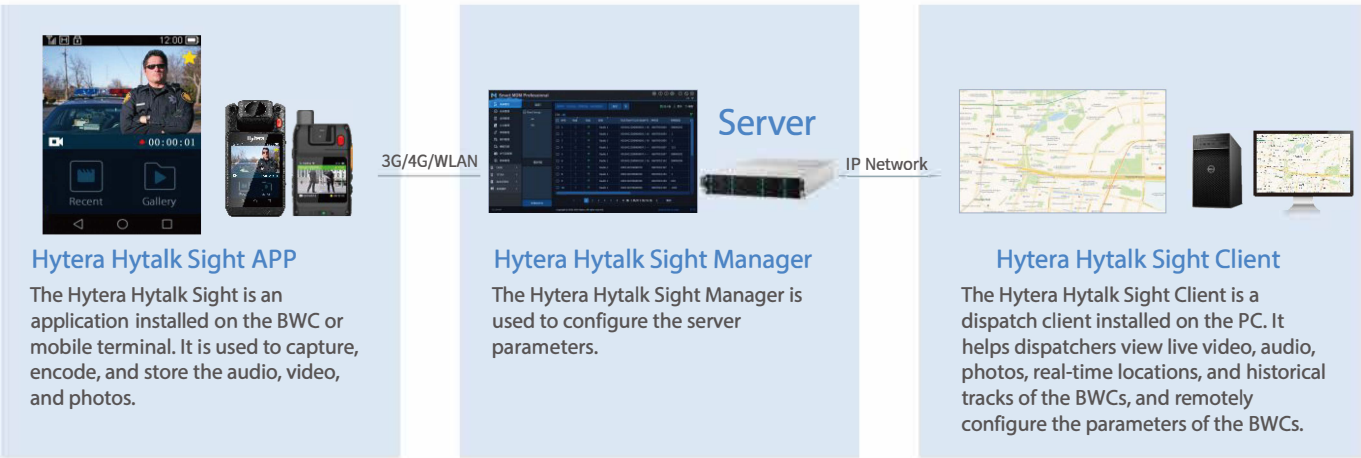• Prevents unauthorized access by five-level permission management mechanism.

High Scalability

• Supports 1, 000 devices and 1, 000 clients on a single server.
• Expands system capacity to incorporate 100,000 devices by cascading servers.

Diverse Features

• Visual dispatch: Video upload, video query, historical track playback, PTT call, remote device management, hierarchical user management, and log query.
• Alarm notification: Emergency alarm, camera block alarm, and man down alarm.
• Maps: Support Google Map, Baidu Map, Amap, and OpenStreetMap
• Data security: Hierarchical management of users and devices.

System Components

Hytera Hytalk Sight APP

The Hytera Hytalk Sight is an application installed on the BWC or mobile terminal. It is used to capture, encode, and store the audio, video, and photos.

Hytera Hytalk Sight Manager

The Hytera Hytalk Sight Manager is used to configure the server parameters.

Hytera Hytalk Sight Client

The Hytera Hytalk Sight Client is a dispatch client installed on the PC. It helps dispatchers view live video, audio, photos, real-time locations, and historical tracks of the BWCs, and remotely configure the parameters of the BWCs.

Server Performance

Item	Specification
System capability (distributed deployment)	
Maximum number of connected devices	100,000
Maximum number of clients	100,000
Maximum number of concurrent videos	3, 000
System capability (standalone deployment)	
Maximum number of connected devices	1, 000
Maximum number of clients	1, 000
Maximum number of concurrent videos (Assume that the maximum bandwidth of a single fiber is 100Mbps, and the average bit rate is 500kbps.)	200

Key Features

Real-time Dispatch
- Video and voice pull
- Remote snapshot
- Remote voice recording
- Remote video recording
- Remote playback
- Audio and video file query

Trunking Communications
- PTT call
- Instant messaging
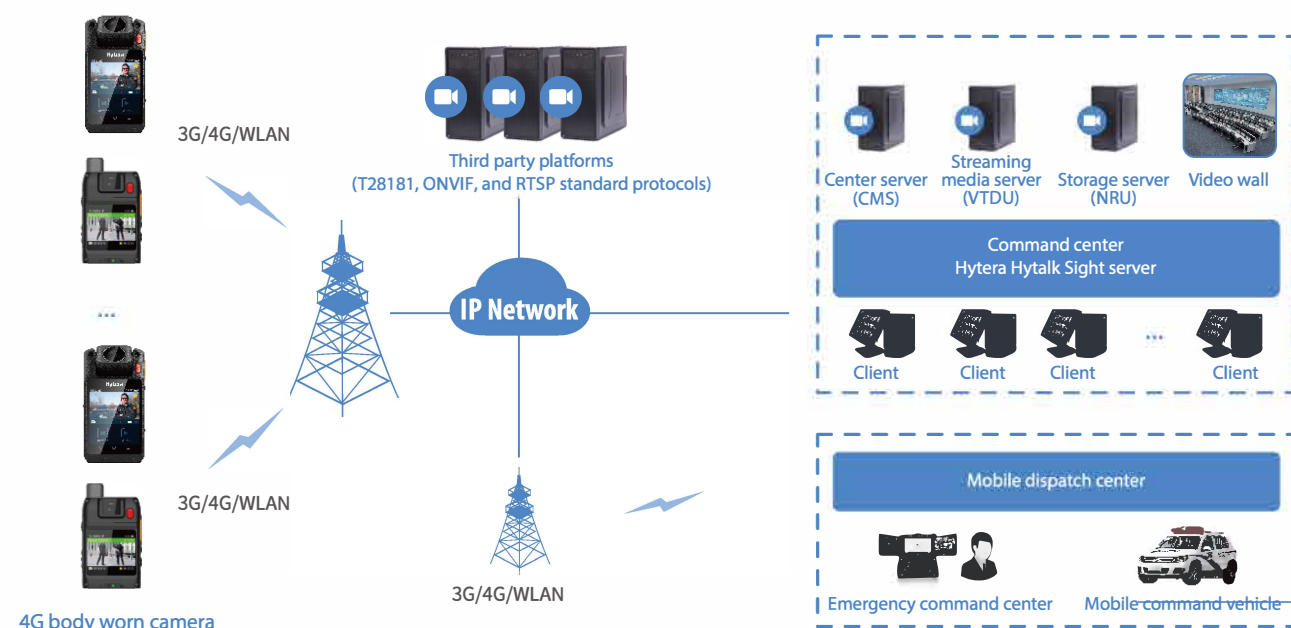
Positioning Management
- Real-time positioning
- Historical track
- Route planning
- Electronic fence

Device Management
- Basic information
- Encoding parameter
- Acquisition settings
- Watermark
- Online/offline presence
- Alarm management

System Architecture

3G/4G/WLAN

Third party platforms
(T28181, ONVIF, and RTSP standard protocols)

IP Network

3G/4G/WLAN

3G/4G/WLAN

4G body worn camera

Center server (CMS)
Streaming media server (VTDU)
Storage server (NRU)
Video wall

Command center
Hytera Hytalk Sight server

Client   Client   Client   ...   Client

Mobile dispatch center

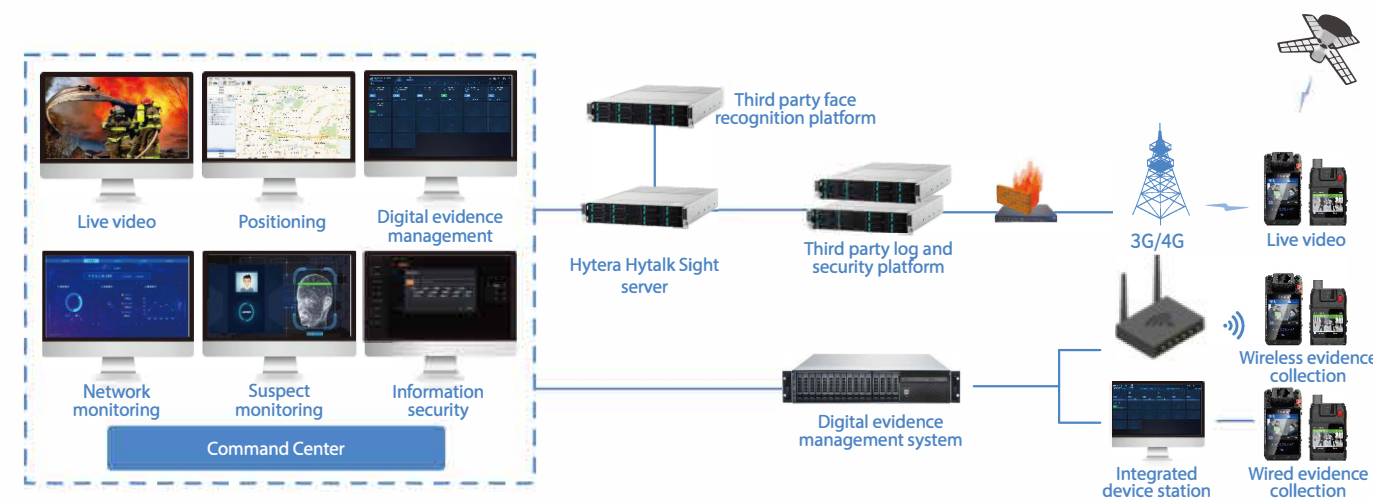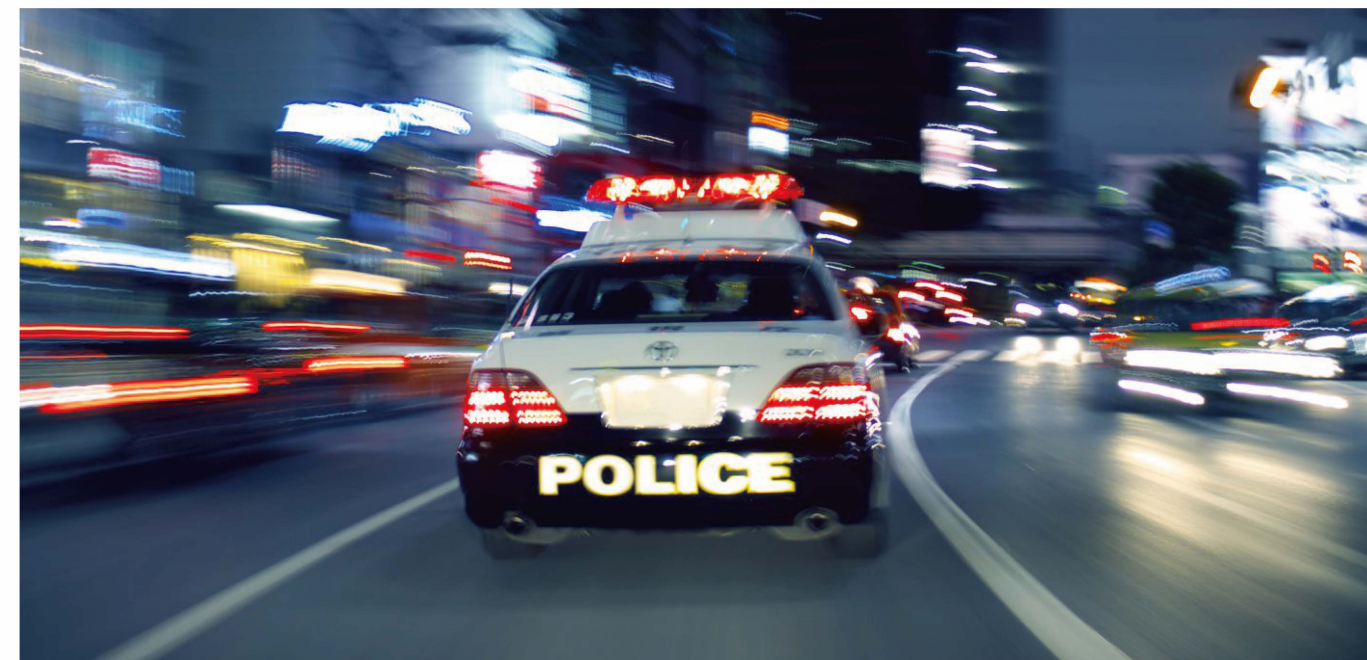Emergency command center   Mobile command vehicle

Hytera Hytalk Sight Visual Dispatch System adopts the client/server (C/S) architecture and can be deployed in public, private, or local area network.

The Hytera Hytalk Sight Manager is deployed in the command center to store and transfer all the data. The Hytera Hytalk Sight Client enables the officer to perform visualized dispatch in either the command center or mobile command vehicle.

As an open platform, Hytera Hytalk Sight can support the third-party applications, such as video surveillance, face recognition, and information security.

Public Safety Solution

Live video   Positioning   Digital evidence management

Network monitoring   Suspect monitoring   Information security

Command Center

Hytera Hytalk Sight server

Third party face recognition platform

Third party log and security platform

Digital evidence management system

3G/4G   Live video

Wireless evidence collection

Integrated device station

Wired evidence collection

Challenge
The public safety agencies have the most pressing needs including digital evidence management, precision positioning of the BWC, visual dispatch, remote device management, real-time suspect monitoring, wireless evidence collection, and data security.
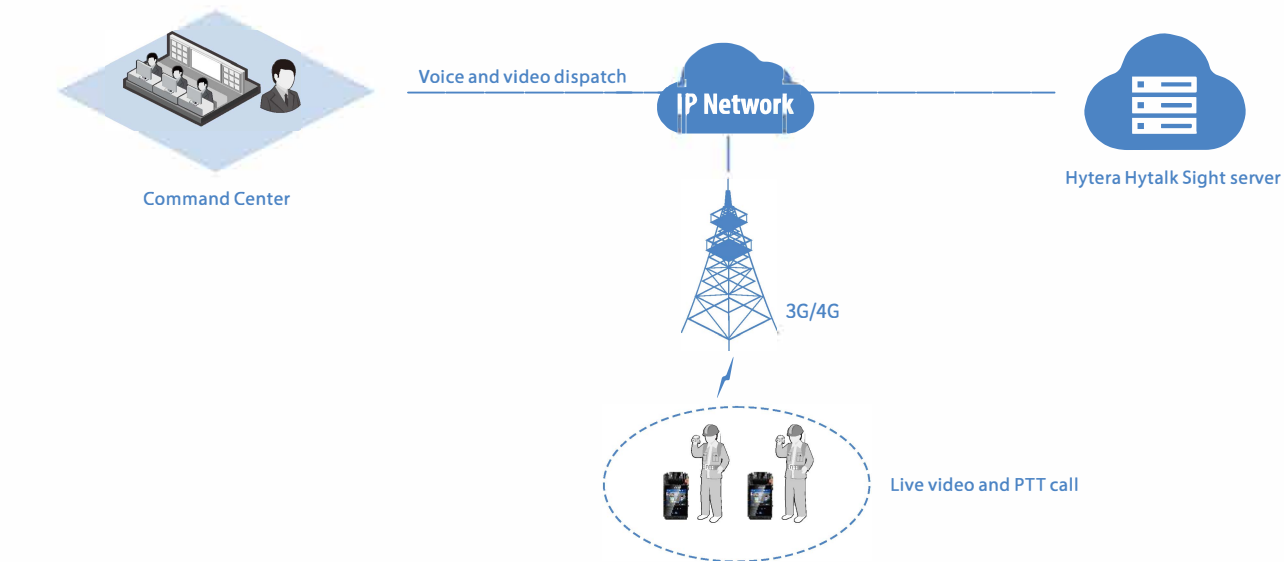
Solution
- The live video from the BWC can be automatically sent back to the command center, helping the dispatcher make rapid and right decision.
- The offline map allows the dispatcher to perform visual dispatch, such as real-time positioning, historical track, and electronic fence.
- The BWC parameter can be monitored and modified remotely.
- The evidence can be collected in a wired or wireless way.
- The customized third-party applications such as face recognition, log analysis, and information security can run on Hytera Hytalk Sight.

Benefit
This solution helps to improve working efficiency, enhance transparency, and strengthen accountability.

Power and Energy Solution

Command Center

Voice and video dispatch

IP Network

Hytera Hytalk Sight server

3G/4G

Live video and PTT call

📋 Challenge

No matter whether it is a daily task or an emergency incident, it is required to immediately notify field workers, managers, and dispatchers. They need to communicate with each other through PTT call and live video, so as to improve cross-department collaboration and resources coordination.
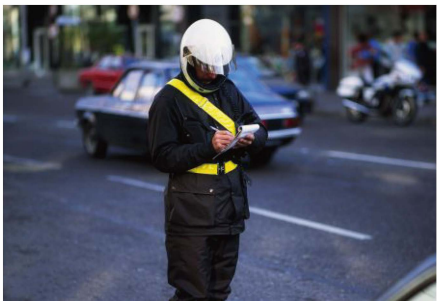
🖥 Solution

• The command center can perform unified command and dispatch to monitor and coordinate field workers.
• Field workers can feed real-time videos to the command center.
• When encountering difficulties, filed workers can ask for help from the command center or coworkers through video sharing.

🤝 Benefit

This solution helps to maximize productivity and protect workers' safety.

Our Customers

United Kingdom · Poland · Russia · Kazakhstan · Germany · Turkey · Azerbaijan · Tajikistan · Bosnia · Morocco · Jordan · Uzbekistan · Tunisia · Saudi Arabia · India · Thailand · China · Sri Lanka · Singapore · Philippines · Mexico · Peru · Chile

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Customs

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Media