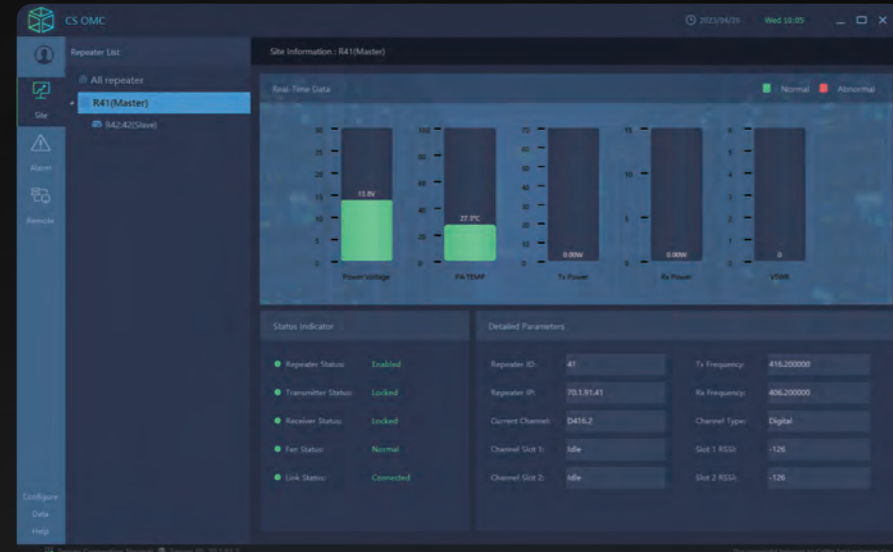# Functions of ROMC

◉ Real-time Data
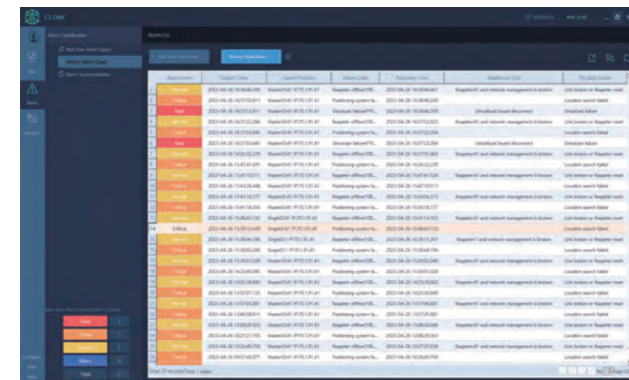Support users to view real-time data of all sites and grasp the status of equipment in time.

◉ Status Indication
Support users to view the detailed parameters of the base station and the status of the current site, and mark abnormal factors.

◉ Alarm Management
Support viewing alarm information of all sites and automatically giving reasons of alarm and suggestions. Meanwhile support querying and exporting current and historical alarms, providing convenient operation and maintenance for users.

◉ Remote Control
Support remote reading and modification of the parameters of the site. Also support remote resetting and disabling of the repeater. Working with CPS software, it also supports remote online configuration and repeater upgrading, enabling users to remotely maintain cross-site sites.

◉ Auxiliary Analysis
Support capturing site device log and tracking device signal. Provide data support for troubleshooting site failures.
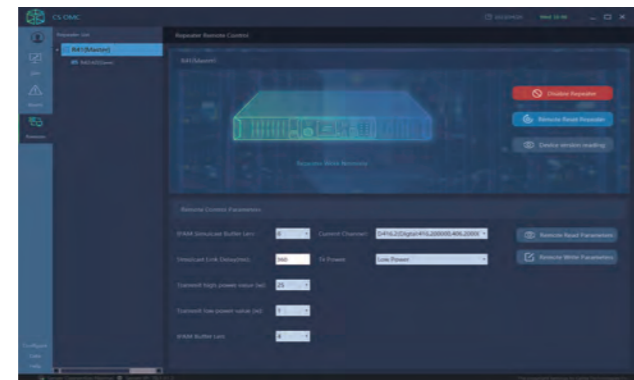
◉ Operation Log
The operation log, security log and system log can be queried through the network management system, and the operation log list can be exported.

◉ Network Quality Inspection
The client end can record the quality of the network connected to each repeater, to optimize network configuration and analyze the impact of network quality on services.

◉ E-mail Notification
When an alarm occurs at the site, the system will automatically send an email to the maintenance personnel, so as to inform him of the system status. Support 163 mailbox and G-mail.

Architecture
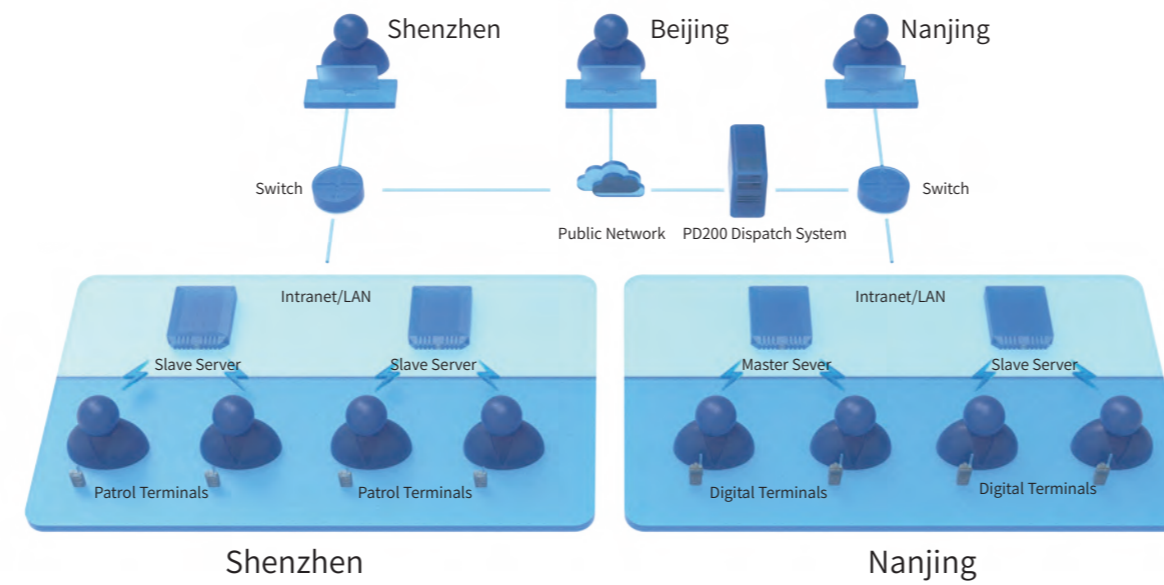
Capacity and Configuration

Configuration Requirement of Hardware		
Server PC	CPU	3GHz
	Memory	8GB
	Hard Disk	1T
	Operation System	64 bit windows operation system
Client	CPU	2GHz
	Memory	8GB
	Hard Disk	500GB
	Operation System	32/64 bit windows operation system
	Accessories	Microphone, speaker, or headset required
Performance		
Max. User Number	CS: 10000 ECS: 20000	
Max. Group Number	CS: 2000 ECS: 4000	
Max. Concurrent Call Number	128	
Max. Concurrent Record Number	128	
Max. Dispatch Console Client Number	64	
Max. Repeater Number	CS: 512 ECS: 2048	

General Disclaimer:
The specifications in this document are in accordance with the applicable standard test. Due to the continuous technology development, Caltta may change the specifications without notice.

PD200 Dispatch System

PD200 Dispatch System is independently developed by Caltta, based on the PR900 repeater, which supports functions including voice,message, location, and patrol. Adopting a C/S architecture and a modular design, it features stability, reliability, convenient deployment, and comprehensive services, meeting the requirements of multi-service integration, multi-system interconnection and visual dispatch.

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Features of PD200 Dispatch System

Modular Design

Adopt a modular design and support voice dispatch, map location, patrol management and more. Users can customize the configuration accordingly.

Professional Network Management

Provide professional network management services, support remotely monitoring the site operation and status, and realize fast remote configuration and maintenance.

Unification and Interconnection

Support unifying different systems (B-TrunC broadband trunking, eChat public trunking, etc.). Support CS and CSE interconnection, and realize multi-system integration, meeting diverse needs.

Multi-level Dispatch

In order to reasonably allocate resources in complex organizations, the administrator can allocate base station and terminal resources to the dispatcher on demand, so as to realize multi-level dispatch and unified command.

Unified Management

Support hybrid access of multiple stations and IP connection systems, which realizes unified dispatch management across frequency bands, regions, standards and between digital and analog.
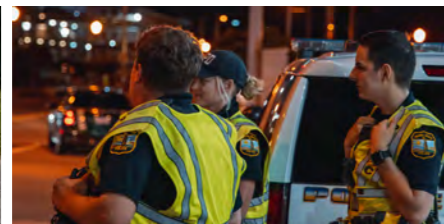
Multi-screen Dispatch

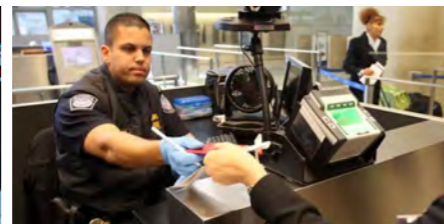Support multi-screen display and dispatch, which improves the efficiency of command and dispatch.

Scenarios

Public Safety	City Management	Border Inspection
Industrial Parks	Stadiums	Transportation
Hotels	Property Management	Shopping Malls

Functions of PD200 Dispatch System

◉ **Terminal Management**

Support terminal registration function, so the dispatcher can keep track of the status of terminals anytime and can quickly conduct command and dispatch.

◉ **Map Function**

Support different types of map, including Google Map, OpenStreetMap, Baidu Map and also offline maps.

◉ **Real-time Tracking**

The dispatcher can choose a certain terminal and regularly pull up its GPS information to achieve real-time tracking.

◉ **Track Playback**

Support querying historical location data of all terminals and track playback, so the dispatcher can keep abreast of individual's activity routes.
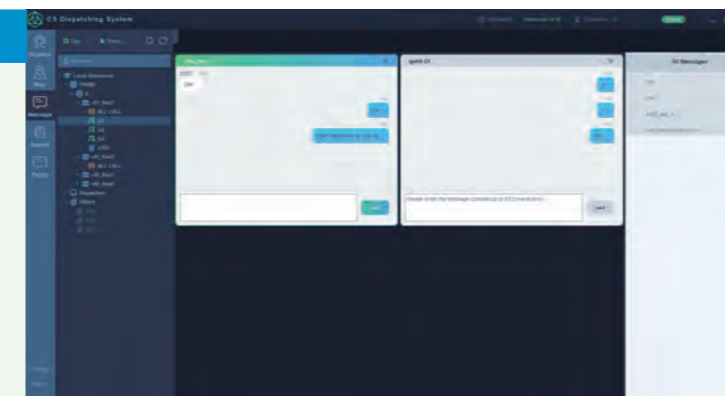
Voice Dispatch

Support all types of call in digital mode. Each console supports display and dispatch of 128 voice channels to meet different user capacity configurations. Provide emergency alarm prompts to ensure user safety.
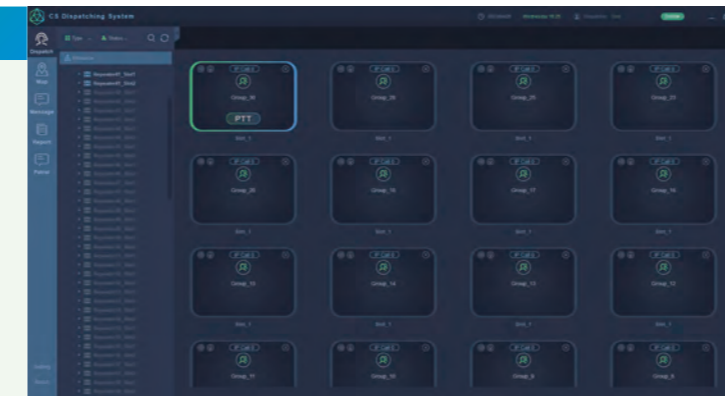
Message

The dispatcher can send messages to both individual and groups, and up to 512 characters can be sent and received.

Location Dispatch

Terminals can report location information to the system, and the dispatcher can also pull up the terminal location information. The dispatcher can view terminals' location on the map, and conduct voice and message dispatch.
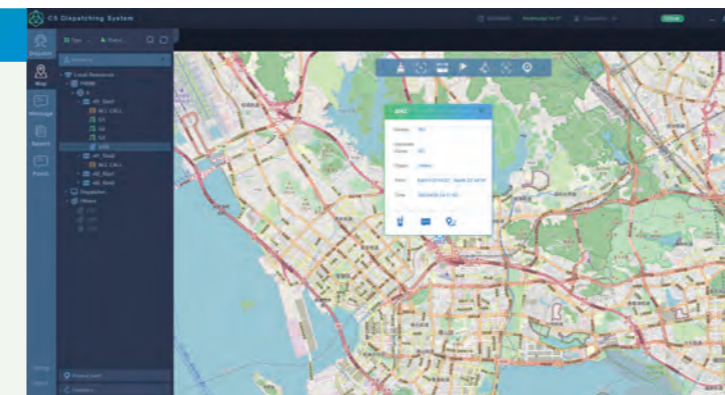
◉ **Terminal Control**

Support remotely stunning/reviving terminals, online detecting terminals, call reminders. Also provide other auxiliary measures for dispatchers.

◉ **Dispatcher Communication**

Dispatchers at different levels can directly communicate with duplex calls or message through the dispatch console, improving working efficiency and reducing the occupancy rate of resources.

◉ **Geo Fence**

When a terminal leaves the area defined by the dispatcher, the system will alarm and mark the terminal.
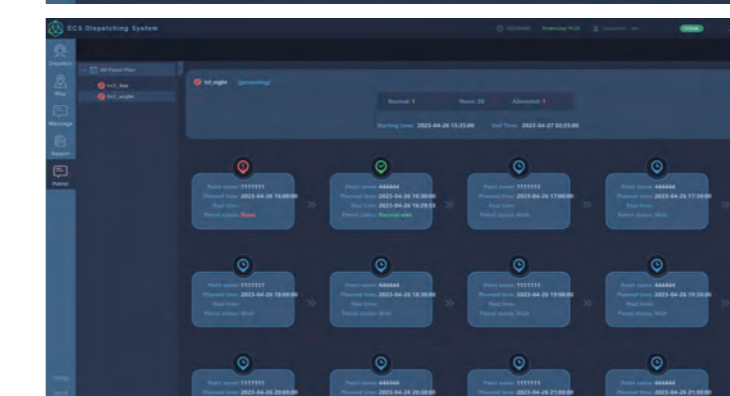
◉ **Customization**

Support modifying the data storage path and customizing display name of the data to meet the individual needs of users.
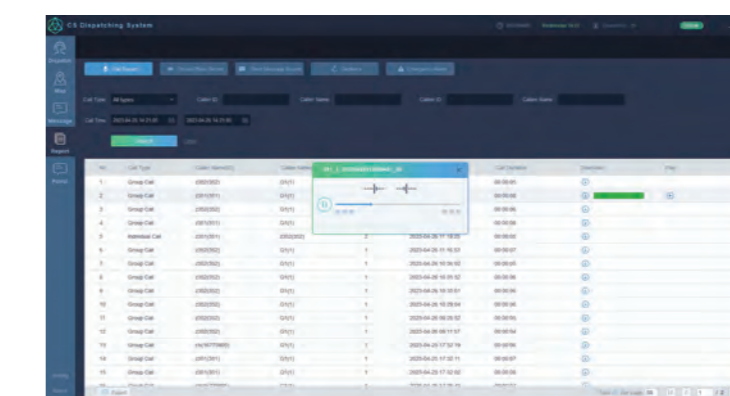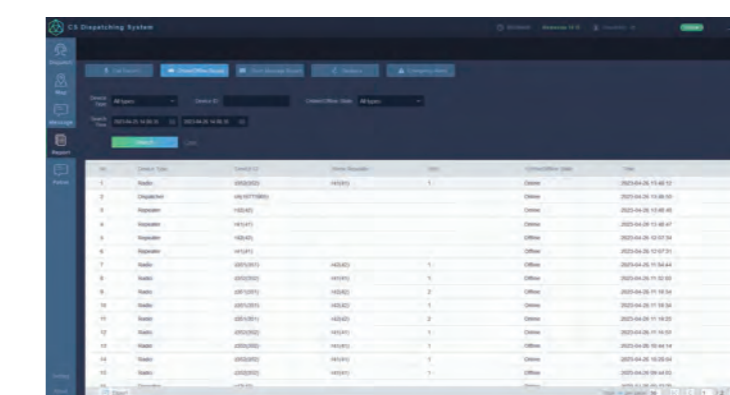
Recording Management

The dispatcher can query call recording according to call type, ID, name, date and other information, as well as playback, download and export the recording.

Patrol Management

Provide comprehensive management of patrol data, which frees users from switching between different systems and improves management efficiency.

Log Management

Support querying and exporting the records various data, including call, message, alarm, geo-fence, and login/out of all devices.