

Hytera HyTalk Solution

The Hytera HyTalk is a multimedia push-to-talk over cellular (PoC) communication solution that provides rich communication services including voice, video, data, and unified dispatch. With the Hytera HyTalk application installed on Hytera PoC radios, dual-mode rugged radio or body cameras, users can access PTT services through the public networks(3G/LTE/5G) and WLAN.



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Hytera Communications Corporation Limited

Stock Code: 002583.SZ

Address: Hytera Tower, Hi-Tech Industrial Park North, 9108# Beihuan Road, Nanshan District, Shenzhen, P.R.C

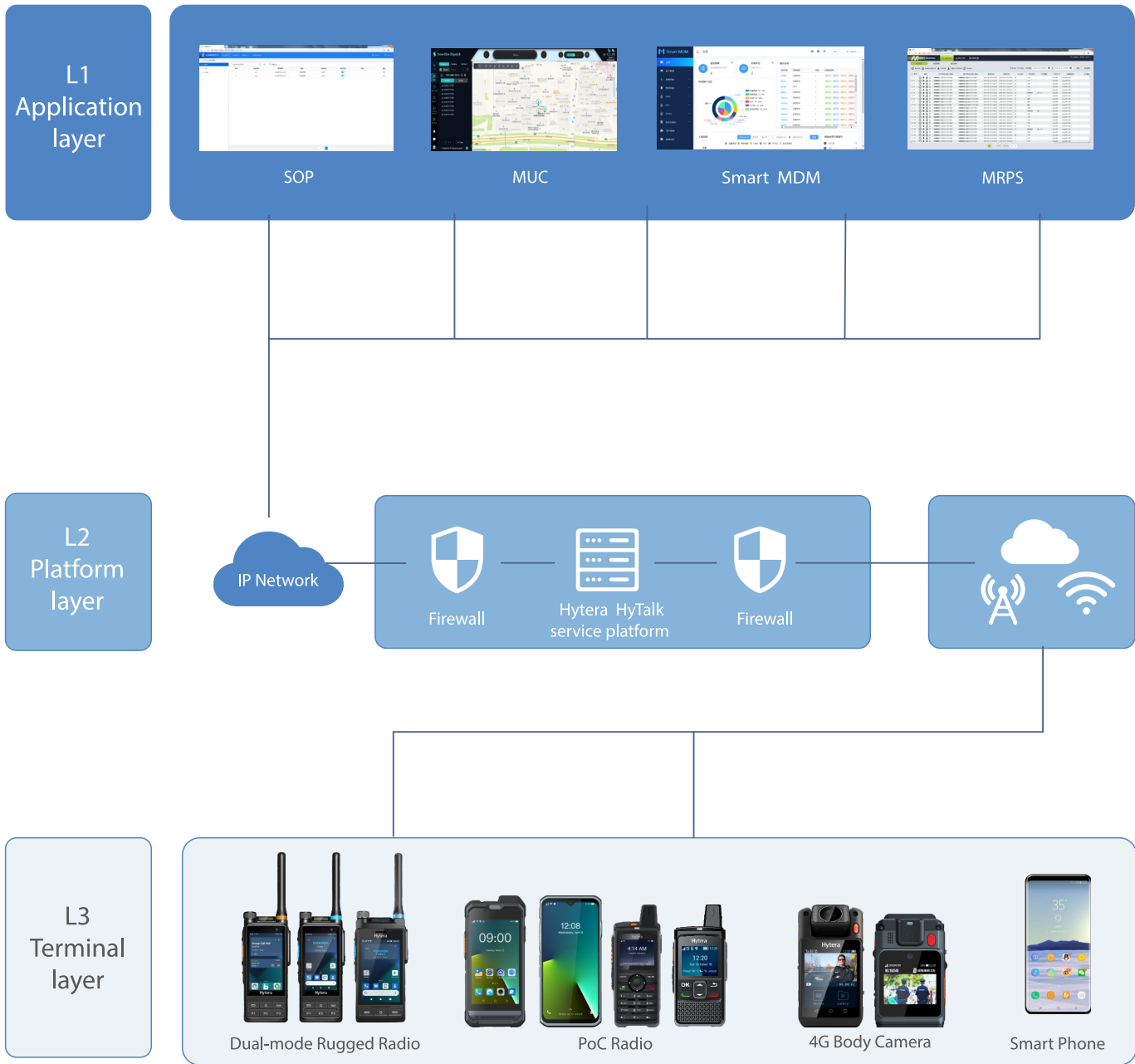
Tel: +86-755-2697 2999 **Fax:** +86-755-8613 7139 **Post:** 518057

Http: www.hytera.com marketing@hytera.com



Hytera HyTalk Solution

The Hytera HyTalk solution consists of Hytera HyTalk service platform, user equipment (PoC radios, smart phones, etc.), Service Operation Platform (SOP), Multimedia Unified Communication Platform (MUC), Mobile Device Management Platform (Smart MDM), Multimedia Recording and Playback System (MRPS). The Hytera HyTalk solution can be deployed on public 3G, LTE, 5G, WLAN networks, as well as private LTE network.



Industry Applications

With the rapid development of the social economy, the daily work content and working environment of industrial users are increasingly diversified and complicated. It is the latest demands of PTT users to not only protect existing investments, but also get access to rich multimedia services such as high-definition video and data services, in addition to the traditional voice communications. Hytera HyTalk solution is ideal for the following industries, and more.



Hotel



Catering



Logistics



Transportation



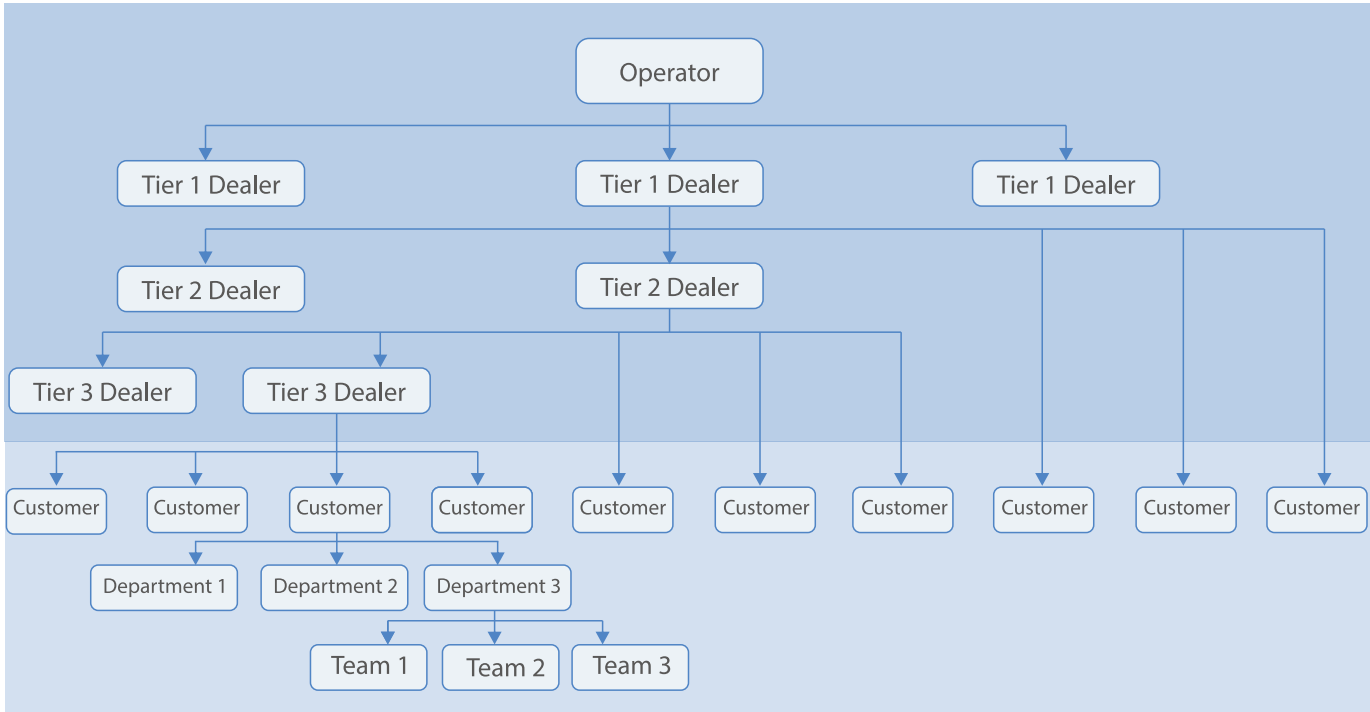
Property Management



Urban Management

Business Model

The SOP users are divided into following types: operator, tier 1 dealer, tier 2 dealer, tier 3 dealer, and customer. SOP support a hierarchical user role, and has different operation permission.

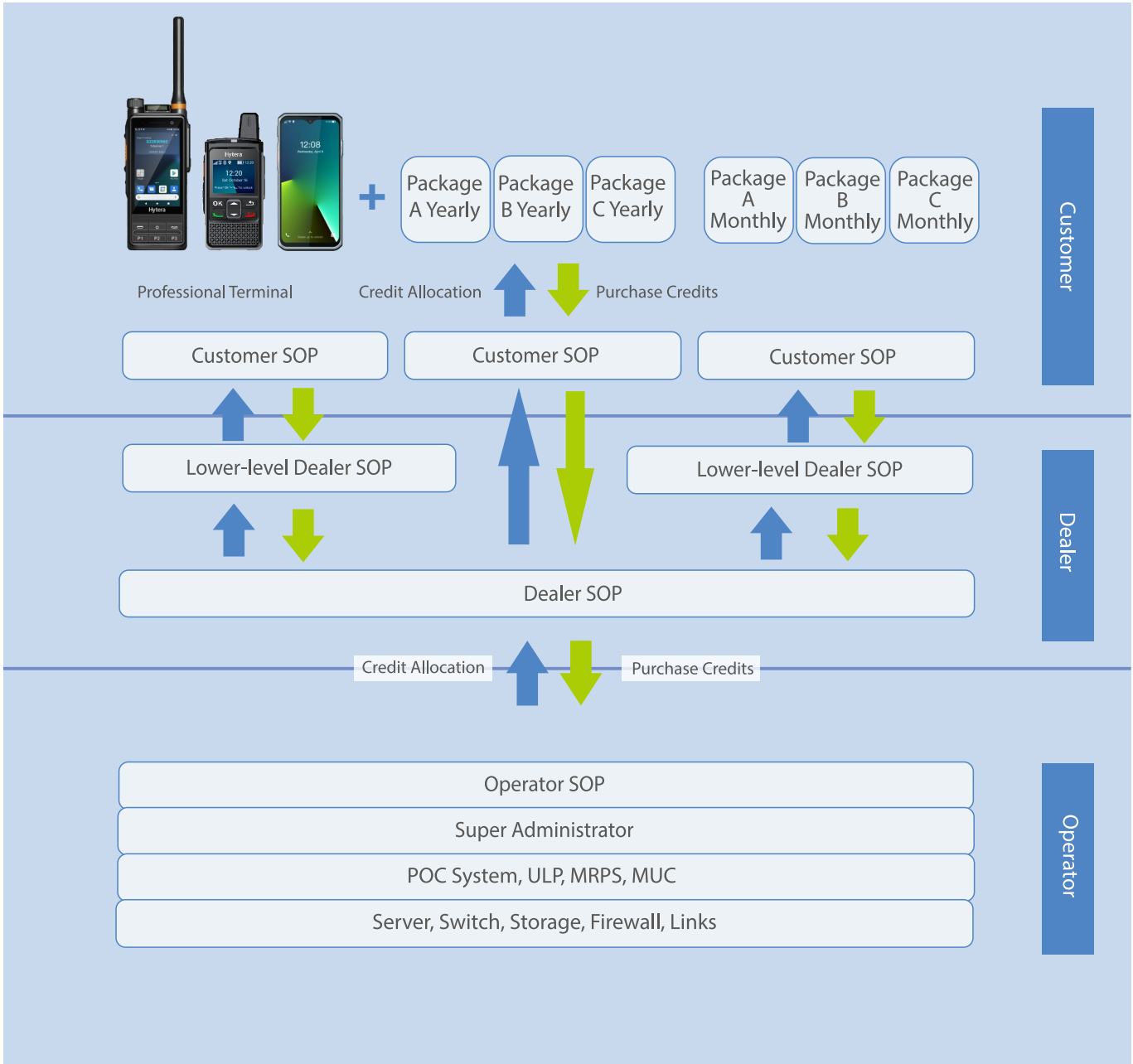


- 1. Operator**
The operator sets up, manages and maintains the HyTalk platform, defines the package templates, and manages the tier 1 dealer.
- 2. Tier 1 Dealer**
The tier 1 dealers get SOP account, package templates, and credits from the operator. Subsequently, the tier 1 dealers can create an SOP account for the tier 2 dealers or customers and allocate package templates and credits to them.
- 3. Tier 2 Dealer**
Just like the tier 1 dealers, the tier 2 dealers are able to assign SOP account, package templates and credits to the tier 3 dealers or customers.
- 4. Tier 3 Dealer**
As a subordinate of the tier 2 dealers, the tier 3 dealers are allowed to assign SOP account, package templates and credits to the customer.
- 5. Customer**
With resources obtained from the dealers, the customer can independently create and manage the organizations, subscribers and groups.
- 6. End User**
The end users include radio users and dispatchers. They get user account from the dealer or customer to log in to the HyTalk app or dispatch software. After that, the radio users can enjoy rich PoC services including voice, video, and data, while the dispatchers can perform visual dispatch, as well as voice and video recording.

SOP

To experience the instant communication anywhere and anytime on the powerful and reliable Hytera HyTalk platform, all you need is a Hytera PoC terminal and a PoC service subscription.

- Ready to use for end users
- Low cost since there is no need to build your own platform
- Rich SOP features for dealers
- Flexible package customization to meet individual requirements



Feature List



Call Service

- Full/half-duplex voice private call
- Voice/video group call
- Video private call
- SOS emergency call
- Temp group
- Video pull
- Late entry



Data Service

- Private message
- Group message
- Private multimedia message
- Group multimedia message
- Status message
- Store and forward



Dispatch Service

- Video pull / forward / push
- Ambience listening / viewing
- Call monitor / interrupt
- Polygon group on map
- Electrical fence on map
- Call recording / playback
- SDS recording / query
- User stun / kill / revive
- User status presence
- User location track
- Dynamic group
- Broadcast call

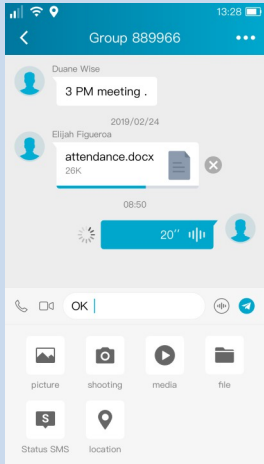
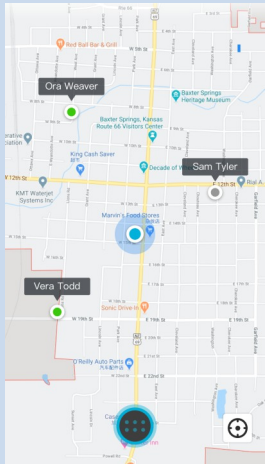
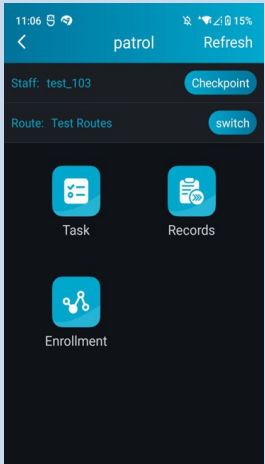
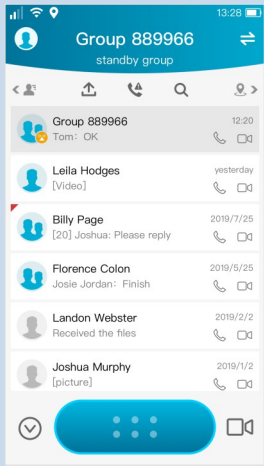
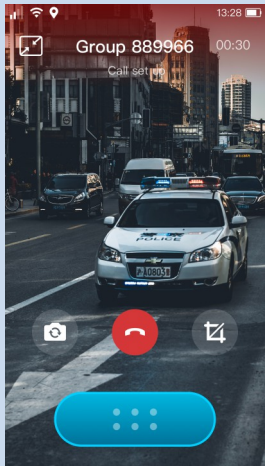
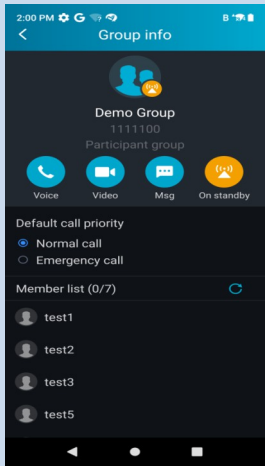
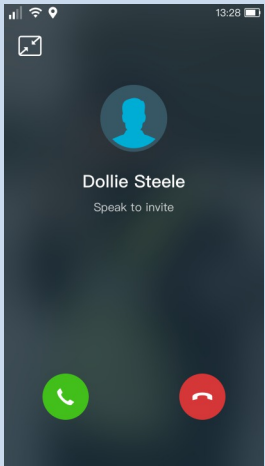


Patrol Service*

- Online push patrol tasks
- Patrol tasks receiving/viewing/counting
- Patrol tasks start/end reminder
- NFC and GPS virtual point punch
- User location track
- Emergency video alarm
- Hidden dangers reporting
- Punch data cache

*optional

User Interface



Highlights



Microservice Architecture

Hytera HyTalk solution adopts advanced microservice architecture technology, which not only has powerful performance but also has the ability to load balance and support smooth upgrade and expansion.



Hierarchical User Model

Hytera HyTalk solution adopts a hierarchical user model in the SOP. Users at different levels are granted various operation permissions to simplify management and enhance work efficiency. The SOP offers flexible package templates for different service combos to form packages that meet the needs of different users.



Professional Radios and Nationwide PTT

Hytera HyTalk solution supports different types of professional radios, and it provides nationwide PTT service based on existing LTE network infrastructure.



Visualized Dispatch

With the help of GIS, dispatchers can locate users on the map in real-time. In addition, dispatchers can call users selected on the map, play back their history track, and more.



Security

Hytera HyTalk solution supports end-to-end encryption and lawful interception. In addition, the radio can be uniquely bound with its SN and SIM card for higher security.



Flexible Package Templates

The SOP offers flexible package templates for different service combos to form packages that meet the needs of different users.



Powerful Audio and Video Capabilities

Hytera HyTalk solution supports professional audio and video communication services to meet the communication needs of different types of scenarios.



Prioritized Services

Hytera has a professional technical service team that provides high-quality after-sales service and ensures emergency services are processed first.



Patrol Management*

The patrol system pushes patrol tasks to the terminal online, while the user punches the position and reports the hidden dangers within a specified route. The patrol management platform will track terminal location, remind tasks start and end, and view terminal punch records by date.

*optional

Terminal Introduction

Hytera HyTalk solution provides a selection of PoC terminals for your choice. With Hytera HyTalk application installed on these terminals, you can access the Hytera HyTalk platform to perform voice, video, data and multimedia dispatch services.



PTC680

Dual-mode Rugged Radio

- 2G/3G/4G/WLAN
- 140x60x29.1mm
- 325g (including standard battery)
- 3.6" HD touchscreen
- IP68, MIL-STD-810G
- 2m drop resistance
- 13MP rear camera
- Dual SIM
- Smart MDM
- GPS/BDS/GLONASS/Galileo/QZSS



PTC760

Dual-mode Rugged Radio

- 2G/3G/4G/WLAN
- 139.5mm x 68mm x 25.3mm
- 378g (including standard battery)
- 4.0" HD touchscreen
- IP67, MIL-STD-810 G
- 13MP front&rear camera
- Dual SIM
- Smart MDM
- GPS/BDS/GLONASS/Galileo/QZSS
- Voice&data encryption



PNC460

XRugged Smart Device

- 2G/3G/4G/WLAN
- 164x75x14mm
- 275g (including standard battery)
- Speaker: 2W (rated),3W(Max.)
- Camera: 8MP(front),50MP(rear)
- Dual-mic noise reduction
- Anti-shake video recording
- IP68
- Working temperature: -20°C to 60°C
- 5.0"touchscreen,1920x1080
- BT5.0
- 1.5 m drop resistance
- GPS/BDS/GLONASS/AGPS/Galileo

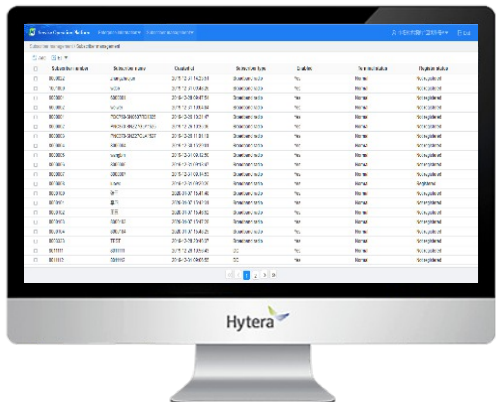


PNC560

XSecure Rugged Device

- 2G/3G/4G/5G/WLAN
- 166.6x77.1x13mm
- 270g (including standard battery)
- Speaker:2W (rated), 3W(Max.)
- Camera:8MP(front), 48MP+8MP(rear)
- Dual-mic noise reduction
- Anti-shake video recording
- IP68, MIL-STD-810 G
- Working temperature: -20°C to 60°C
- 6.3"touchscreen, 2340x1080
- BT5.0
- 1.5 m drop resistance
- GPS/BDS/GLONASS/AGPS/Galileo

Software Suites



Service Operation Platform

- Easy user management
- Data statistics
- Package management
- Operations management

SmartOne Dispatch

- Multi-voice and video formats conversion
- Unified dispatch across different networks
- Location service
- GIS-based web dispatch
- Track playback



PNC360S

PoC Radio

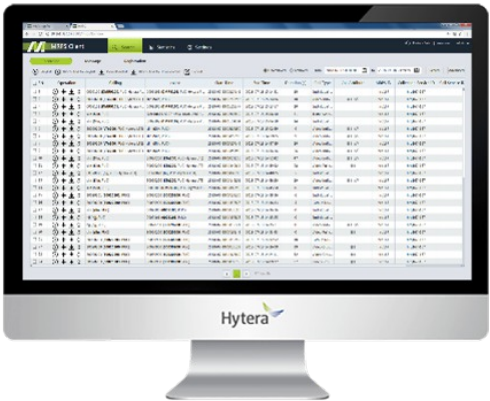
- 2G/3G/4G/WLAN
- 104x54.6x26.5mm
- 190g(including standard battery)
- Working time:>24hours(5-5-90) (4000mAh)
- Speaker: 2W(rated)
- IP67/MIL-STD-810H
- Working temperature: -20°C to 60°C
- Keypad
- 1.77"color display,160x128
- BT4.1
- 1.2m drop resistance
- GPS/BDS/GLONASS/AGPS



PNC380

PoC Radio

- 2G/3G/4G/WLAN
- 145.1x60x26.1mm
- 208g (including standard battery)
- Working time: >24 hours (5-5-90) (4000mAh)
- Speaker: 5W (rated)
- 8MP rear camera, for PNC380 Pro only
- IP67, MIL-STD-810G
- Working temperature: -20°C to 60°C
- Keypad, 2.0 color display, 320x340
- BT4.1
- 1.2m drop resistance
- GPS/BDS/GLONASS/AGPS



VM780

4G Body Camera

- 2G/3G/4G/WLAN
- 115x61x26mm
- 205g (with standard battery)
- H.264 and High Efficient Coding
- 216°swivel camera
- Night vision (5m recognizable, 10m visible)
- Continuous video recording: >9 hours
- 1.5W speaker x 2
- Dual-mic noise reduction
- IP68, MIL-STD-810G
- 2m drop resistance
- GPS/BDS/GLONASS/AGPS



SC580

4G Body Camera

- 2G/3G/4G/WLAN
- 91x55x29mm
- 158g (with battery)
- 3200mAh removable battery
- Night vision (5m recognizable, 7m visible)
- Electronic image stabilization
- Front and rear cameras
- H.264 and High Efficient Coding
- Dual-stream
- Dual-mic noise reduction
- IP68,MIL-STD-810G
- 2m drop resistance
- GPS/BDS/GLONASS/AGPS

Multimedia Recording and Playback System

- Massive voice, video and SMS recording
- B/S architecture with advanced search, playback and analysis functions
- Flexible centralized or distributed deployment simultaneously

Smart Mobile Device Management

- Management of both narrowband and broadband terminals
- Batch programming, upgrade, key management, permission control, and APP push
- Quick configuration and OTAP
- Multi-level organization and RBAC