



# SMARTRADIOSYSTEMS

CommunicationMadeEasy

## Hytera HyTalk Solution

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, smartphones and body worn cameras, users can access PTT services through the public networks (3G/4G/LTE/5G), WIFI and WLAN.



# 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. The latest demands of PTT users are to not only protect existing investments, but to also get access to rich multimedia services such as high-definition video and data services, in addition to their traditional two-way radio voice communications.



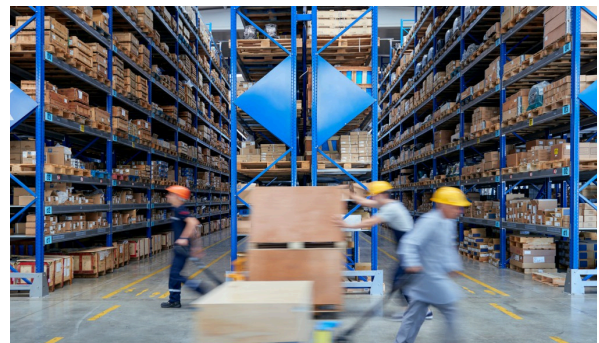
Security, Armed Response and Guarding



Safe Cities and Urban Management



Transportation and Fleet Management



Logistics and Warehousing



Hotels and Resorts



Catering and Events

# Highlights



## Professional Radios and Nationwide PTT

The Hytera HyTalk solution supports different types of professional radios and body worn cameras, and it provides nationwide PTT services based on existing 3G/4G/LTE network infrastructure.



## Security

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



## Microservice Architecture

The 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.



## Smart Anti-Missed Audio Design

This feature automatically locks a minimum volume threshold, preventing critical information from being missed due to muted devices or low volume. Ensures 100% delivery of important messages.



## Super Large Group (3000+ members)

Single-group capacity supports over 3,000 members, far exceeding the group chat limits of mainstream communication tools. It meets the needs of ultra-large-scale team collaboration and is suitable for enterprise applications, education, large-scale event organization, and other scenarios.

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## Feature List



### Voice & Video Call Service

- Full/half-duplex voice
- private call
- Voice/video group call
- Video private call
- SOS emergency call
- Temporary Group
- Video Pull
- Late Entry



### Dispatch Service

- Video pull /forward/push
- Ambience listening/viewing
- Call monitor/interrupt
- DGNA on map
- Electrical fence on map
- Call recording/playback
- User stun/revive
- User status presence
- User location track
- Broadcast call
- Emergency SOS instant alarm/reaction



### Patrol Service

- Online push patrol task
- Patrol task receive
- Patrol task view
- Patrol task count
- Patrol task start
- Patrol task end
- Patrol task reminder
- NFC tag point punch
- GPS tag point punch
- User location track
- Emergency video alarm
- Hidden danger report



### Supplementary Service

Local playback of group call logs to prevent missed calls and messages.



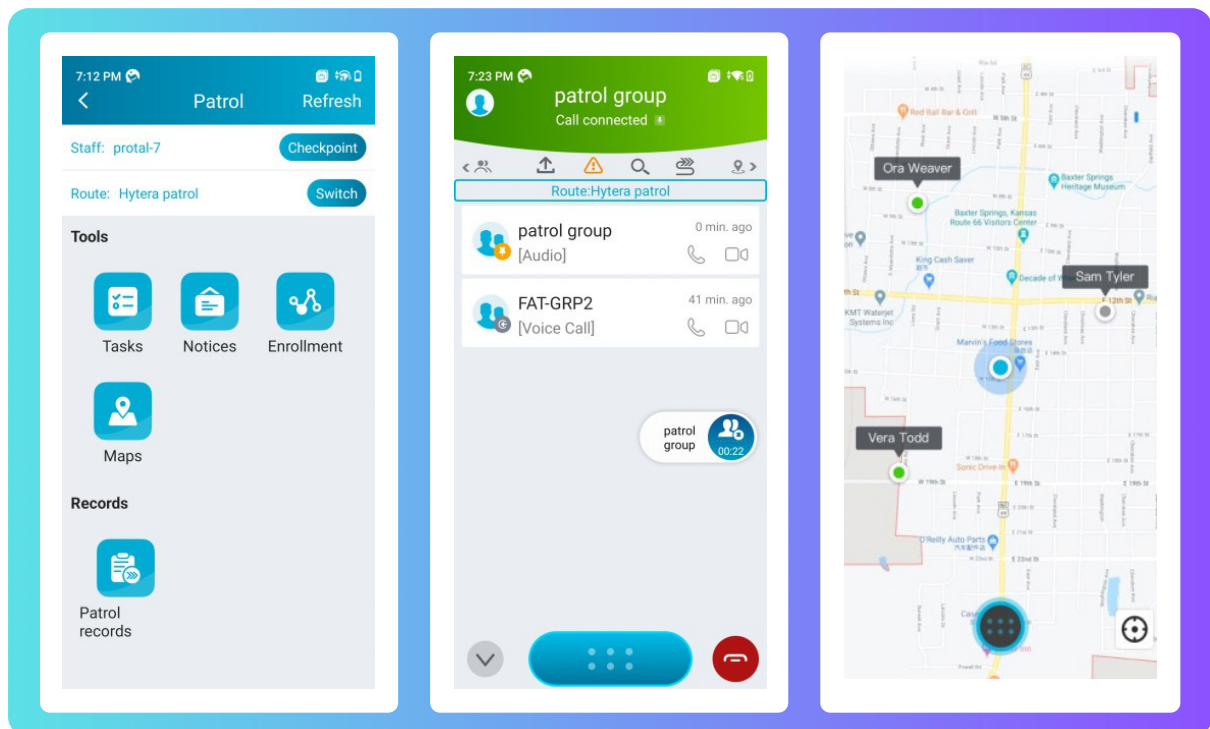
### Supplementary Service

Programmable smart key for customized command initiation.

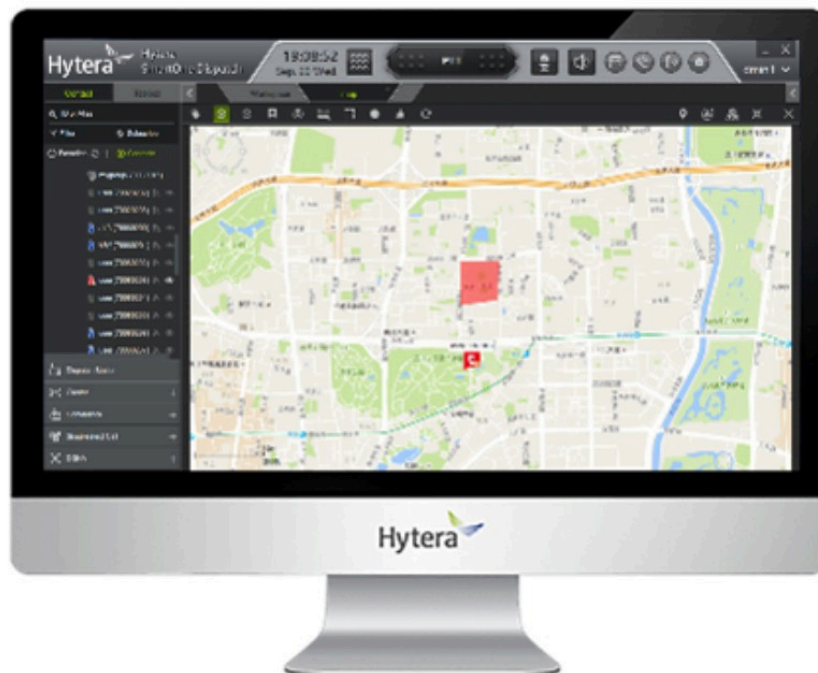


### Supplementary Service

Query other users real-time location and initiate group calls with one tap.



# Software Suites



## SmartOne Dispatch

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

## Multimedia Recording and Playback System (MRPS)

- Massive voice, video and text message recording
- B/S architecture with advanced search, playback and analysis reporting functions
- Flexible centralised or distributed deployment

## Hytera Guard Patrol System

- Freely assign personnel, tasks and routes
  - Patrol progress monitoring at any time
  - Real-time GPS and historical route playback
  - Complete tracking of patrol routes
  - Automatic email sending of reports at scheduled times
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## Radio Terminals - P30 Series



### P30 LITE PoC Radio (Non-Display)

- 3G/4G
- 118x55x22 mm
- 170g (without belt clip)
- GPS+BDS,GPS+GLONASS,BDS (optional)
- NFC
- USB Type-C
- IP54,
- MIL-STD-810H,
- CE
- AI Voice Annunciation



### P30 PRO PoC Radio (Display)

- 3G/4G
- 118x55x22 mm
- 170g (without belt clip)
- GPS+BDS,GPS+GLONASS,BDS (optional)
- NFC
- USB Type-C
- IP54,
- MIL-STD-810H,
- CE

## Radio Terminals - P50 Series



### P50 PoC Radio

- 3G/4G/WLAN
- 131x 61x 23.5 mm
- 208 g
- Android 12.2.
- 4-inch color LCD screen
- GPS/BDS/GLONASS/Galileo
- USB Type-C,
- 9-pin audio connector,
- IP68,
- MIL-STD-810H,
- CE
- 1.5m drop resistance



### P50 PRO PoC Radio

- 3G/4G/WLAN
- 131x 61x 23.5 mm
- 208 g
- Android 12.2.
- 4-inch color LCD screen
- GPS/BDS/GLONASS/Galileo
- USB Type-C,
- 9-pin audio connector,
- IP68,
- MIL-STD-810H,
- CE
- 1.5m drop resistance
- NFC
- 8MP Camera
- Mandown
- Full Keypad

## Radio Terminals - Legacy Series



### PNC360S PoC Radio

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



### PNC380 PRO PoC Radio

- 3G/4G/WLAN
- 145.1x60x26.1mm
- 208g (including standard battery)
- Working time: >24 hours (5-5-90) (4000mAh)
- Speaker: 5W (rated)
- 8MP rear camera
- Full Keyboard
- IP67
- MIL-STD-810G
- CE
- 1.2m drop resistance
- GPS/BDS/GLONASS/AGPS

## Radio Terminals -Mobile Radio

### MNC360 PoC Radio



- 3G/4G/WLAN
- 170mmx66mmx39.3mm
- 300g
- NFC optional
- 2\*Micro-SIM
- Micro USB 2.0
- 3.5 mm audio jack
- Two LTE antenna ports
- GPS antenna connector
- Power inlet 8 W
- External speaker
- Vehicle speeding alarm
- Fatigue driving warning
- IP54
- CE

# Rugged Android Smart Devices with PTT

## PNC460 XRugged Smart Device



- 3G/4G/WLAN
- 164x75x14mm
- 275g (including standard battery)
- 5.0' touchscreen, 1920x1080
- Camera: 8MP (front), 50MP (rear)
- Dual-mic noise reduction
- Anti-shake video recording
- IP68
- MIL-STD-810 H
- CE
- 1.5 m drop resistance
- GPS/BDS/GLONASS/AGPS/Galileo
- Dual-frequency GPS (L1+L5)
- Sensor: G-sensor, geomagnetic sensor, light sensor, gyroscope

## PNC560 XSecure Rugged Device



- 3G/4G/5G/WLAN
- 166.6x77.1x13mm
- 270g (including standard battery)
- 6.3' touchscreen, 2340x1080
- Camera: 8MP (front), 48MP+8MP (rear)
- IP68
- MIL-STD-810 G
- CE
- 1.5 m drop resistance
- GPS/BDS/GLONASS/AGPS/Galileo
- Sensor: Fingerprint, acceleration, gyroscope, geomagnetic, infrared sensor, opto-sensor
- Multi-level anti-tamper mechanism

## Body Worn Cameras with PTT



SC780 4G Body Worn Camera

- 3G/4G/WLAN
- 103x56x34mm
- 160° wide angle lens
- 120s pre-recording and post-recording
- Human-voice 10-meters sound pick-up
- 13 hours continuous recording
- USB 3.0 type-C
- IP68
- MIL-STD-810H
- CE
- 1.5m drop resistance
- GPS/BDS/GLONASS/GALILEO



SC580 4G Body Worn Camera

- 3G/4G/WLAN
- 91x55x29mm
- 3200mAh removable battery
- Night vision (5m recognizable, 7m visible)
- Electronic image stabilization
- Front and rear cameras
- Dual-stream
- Dual-mic noise reduction
- IP68
- MIL-STD-810G
- CE
- 2m drop resistance
- GPS/BDS/GLONASS/A-GPS



**SMARTRADIOSYSTEMS**  
CommunicationMadeEasy

Smart Radio Systems, Cape Town, South Africa

Authorised Hytera Dealer and HyTalk PoC Network  
Service Provider

Contact us today for a free consultation on a Hytera HyTalk  
PoC solution to meet your specific communication  
requirements

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Respond and Achieve