



**Hytera Communications Corporation Limited**

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COMMUNICATION  
**PRODUCT  
PORTFOLIO**  
Respond & Achieve

- Two-way Radio Solutions
- Body Camera Solutions
- MCS & PoC Products and Solutions
- Convergence-Native Solutions
- Communication Command Vehicle
- Fast Deployment Products & Solutions
- Command and Control Solution
- Antenna Subsystem
- Satellite Communication

## Make the World More Efficient and Safer



# Hytera

## About Hytera

Hytera Communications Corporation Limited is a leading global provider of professional communications technologies and solutions. With voice, video and data capabilities, we provide faster, safer, and more versatile connectivity for business and mission critical users. We enable our customers to achieve more in both daily operations and emergency response to make the world more efficient and safer.

Fully understanding the communication challenges the industrial users are facing in Public Safety, Energy, Transportation, Utilities, Commercial and other industry verticals, Hytera continuously invests in technology development and application innovation, and is committed to promoting most open communication standards from narrowband to broadband, including TETRA, DMR, PDT and LTE.

Hytera has more than 90 offices worldwide and more than 40% of our workforce is engaged in engineering, research and development. There are 9 global innovation and development centers located in China, Germany, Spain and Canada. These centers collaborate to keep Hytera at the forefront of the communications industry and are dedicated to developing leading technologies into solutions that our customers can count on to meet their real time communications challenges. With its extensive network of dealers and partners, Hytera is proudly serving customers in over 120 countries and regions around the world.



## Full Portfolio of Products

- Two-way Radio Solutions
- MCS & PoC Products and Solutions
- Body Camera Solutions
- Convergence-Native Solutions
- Fast Deployment Products & Solutions
- Command and Control Solution
- Communication Command Vehicle
- Satellite Communication
- Antenna Subsystem



## Two-way Radio Solutions





S1 mini

## S1 mini

### *Business Two-way Radio*

LF: 446MHz UHF: 400-440MHz/430-470MHz

- 48g. Go light as air
- Front large PTT
- Anti-fingerprint/Anti-abrasion HD Screen
- 16-hour battery life (1W, with earpiece)/100-hour standby time
- Fast charging, USB Type-C Port
- 16 pocket multi-unit charger
- BT APP programming
- Airclone configuration data from one to many
- Channel Copy quickly communicate with existing analog radios

## S1

### *Business Two-way Radio*

LF: 446MHz UHF: 400-470MHz

- Two color choice : pearl white/metallic grey
- Ambilight 4 LED indicators
- Front&Side PTT
- Instant dual channel call
- 15-hour battery life (3W)/360-hour standby time
- Fast charging, USB Type-C Port
- 8 pocket multi-unit charger
- BT APP programming
- Airclone configuration data from one to many
- Channel Copy quickly communicate with existing analog radios



S1

## S1 Pro

### *Business DMR Two-way Radio*

LF: 446MHz UHF: 400-470MHz

- Analog and digital compatibility
- Two color choice : pearl white/metallic grey
- Intuitive 1.3 inch OLED screen
- Clear audio with AI-based noise cancellation
- Whisper voice mode
- Encrypted communication
- 16-hour battery life (3W)
- Fast charging, USB Type-C Port
- 8 pocket multi-unit charger
- BT APP programming
- Airclone configuration data from one to many



S1 Pro



AP51X

AP58X

## AP51X / AP58X

### *Business Two-way Radio*

UHF: 350-400MHz(AP58X), 400-470MHz  
VHF: 136-174MHz

- IP54 dust and water intrusion
- 3W loud speaker, loudness up to 90dB
- Advanced noise cancellation algorithm
- High receiving sensitivity, extended communication range
- 17-hour battery life(AP51X)/16-hour battery(AP58X,2200mAh)
- Fast charging, USB Type-C Port
- Trustworthy quality
- Adopts new radio frequency scheme
- Stronger coreless antenna
- 2-Tone/5-Tone/HDC1200 signaling



AP32X

## AP32X

### *Ultralight Business Two-way Radio*

UHF: 400-440Mhz, 430-470MHz

- Slim form factor and 4.5cm ultra-stubby antenna
- 3W TX power and up to 0.18 $\mu$ V RX sensitivity
- 3W loud speaker, output up to 90dB
- Professional noise cancellation
- Type-C for charging, programming and upgrading
- Fully fast charging in 2.5 hours
- VOX feature to make hands-free call
- Voice Announcement

## BP51X / BP56X

### *Business DMR Portable Two-way Radio*

UHF: 350-400MHz(BP51X), 400-470MHz, 410-480MHz(BP51X), 450-520MHz(BP56X)  
VHF: 136-174MHz

- Smooth analog to digital migration
- IP54 (standard) or IP67 (optional)
- 3W loud speaker, loudness up to 90dB
- Advanced noise cancellation algorithm
- High receiving sensitivity, extended communication range
- 16-hour battery life(1500mAh)/23-hour battery life(2200mAh)
- Fast charging, USB Type-C Port
- Trustworthy quality
- App-enabled programming
- Adopts new radio frequency scheme
- Stronger coreless antenna



BP51X

BP56X

## BP36X

### *Ultralight Business DMR Portable Two-way Radio*

UHF: 400-440Mhz, 430-470MHz

- Analog and digital compatibility
- DMO Two-slot communication solution
- BT 5.0 for wireless communication (optional)
- Slim form factor and 4.5cm ultra-stubby antenna
- 3W TX power and up to 0.18 $\mu$ V RX sensitivity
- 3W loud speaker, output up to 90dB audio
- Professional noise cancellation
- Type-C for charging, programming and upgrading
- Fully fast charging in 2.5 hours
- VOX feature to make hands-free call



BP36X



HP50X

HP56X

## HP50X / HP56X

### Professional DMR Portable Two-way Radio

UHF: 350-400MHz, 400-470MHz VHF: 136-174MHz

- Clear audio with AI-based noise cancellation
- Type-C for charging, programming and upgrading
- 25% extended signal range
- 0.18 $\mu$ v improved RX sensitivity
- Dual knob for volume and channel control
- Enlarged LED indicator and U-shape slot for belt clip
- Built-in BT 5.3 to realize freedom with no cords (optional)
- GNSS(GPS, Beidou, GLONASS, GPS+GLONASS, GPS+Beidou) for location tracking (optional)
- Battery life of 15 hours (GNSS OFF)
- IP67 rated & MIL-STD-810H & 1.5M drop test



HP60X

HP68X

## HP60X / HP68X

### Professional DMR Portable Two-way Radio

UHF: 400-527MHz VHF: 136-174MHz

- Compact and lightweight
- Clear audio with AI-based noise cancellation
- 25% extended signal range
- 0.18 $\mu$ v improved Rx sensitivity
- Battery life of over 20 hours
- Built-in BT 5.3 & User friendly UI
- IP67, MIL-STD-810G, 2M drop resilient

## HP70X / HP78X

### Professional DMR Portable Two-way Radio

UHF: 350-470MHz UHF5: 806-825MHz(only transmit), 851-870MHz(transmit & receive)  
VHF: 136-174MHz 896-902MHz(only transmit), 935-941MHz(transmit & receive)

- Clear audio with AI-based noise cancellation
- 25% extended signal range
- 0.18 $\mu$ v improved Rx sensitivity
- 2400mA Li polymer battery
- 2.4-inch large screen (only for HP78X)
- Anti-fake battery identification
- Built-in BT 5.3 & TF Card & GPS Antenna
- Supports TF Card/Trunking/Emergency button
- IP68 & Water-porting & MIL-STD-810G



HP70X

HP78X

## HP70X UL913 / HP78X UL913

### Intrinsically Safe DMR Portable Two-way Radio

UHF: 350-470MHz VHF: 136-174MHz

- UL913, CSA and TIA4950 certificated
- Clear audio with AI-based noise cancellation
- 25% extended signal range
- 0.18 $\mu$ v improved Rx sensitivity
- 2400mA Li polymer smart explosion-proof battery
- 2.4-inch large screen (only for HP78X UL913)
- Anti-fake battery identification
- Built-in BT 5.3 & TF card & GPS antenna
- Supports TF Card/Trunking/Emergency button
- IP68 & Water-porting & MIL-STD-810G



HP70X UL913

HP78X UL913



HP79XEx IIC

## HP79XEx IIC

### *Intrinsically Safe DMR Portable Two-way Radio*

UHF: 350-400MHz, 400-480MHz

VHF: 136-174MHz

- Born for safety with IECEx/ATEX
- Clear and loud audio with 2W audio output and AI-based noise cancellation
- 2W TX power extends the coverage area
- -25°C to 60°C operating temperature in explosion-prone areas
- Supports Bluetooth 5.3, WLAN, and NFC functionalities
- About 390g (with standard battery and antenna)
- 2.4-inch screen along with large LED indicator
- 24-hour long lasting IIC intrinsically safe Li battery (GNSS OFF)
- Professional anti-static technology
- Energy efficient design to reduce standby power consumption
- GPS, BDS, GLONASS, Galileo, Dual-frequency positioning: location accuracy down to 1m
- IP64 /IP65 /IP66/IP67/IP68 per IEC 60079-0:2017 & IEC 60529
- Water-porting design
- MIL-STD-810H

## HP79XEx IIA

### *Intrinsically Safe DMR Portable Two-way Radio*

UHF: 350-400MHz, 400-480MHz

VHF: 136-174MHz

- Born for safety with IECEx/ATEX
- Clear and loud audio with 2W audio output and AI-based noise cancellation
- 5W(VHF)/4W(UHF) TX power extends the coverage area
- -25°C to 50°C operating temperature in explosion-prone areas
- Supports Bluetooth 5.3, WLAN, and NFC functionalities
- About 390g (with standard battery and antenna)
- 2.4-inch screen along with large LED indicator
- 22-hour long lasting IIA intrinsically safe Li battery (GNSS OFF)
- Professional anti-static technology
- Energy efficient design to reduce standby power consumption
- GPS, BDS, GLONASS, Galileo, Dual-frequency positioning: location accuracy down to 1m
- IP64/IP65/IP66/IP67/IP68 per IEC 60079-0:2017 & IEC 60529
- Water-porting design
- MIL-STD-810H



HP79XEx IIA



HM65X

## HM65X

### Professional DMR Mobile Two-way Radio

UHF: 400-470MHz, 450-527MHz VHF: 136-174MHz

- Digital and Analog Compatibility
- Compact and light design: flexible installation
- Industry-leading Rx sensitivity: 0.18 $\mu$ V (-122dBm)
- IP54 & MIL-STD-810G
- Clear audio with AI-based noise cancellation
- Handheld Control Head
- Built-in GPS
- Built-in BT 5.0 for programming and wireless audio accessories



HM68X

## HM68X

### Professional DMR Mobile Two-way Radio

UHF: 400-470MHz, 450-527MHz VHF: 136-174MHz

- 1.45-inch screen and four piano-style keys
- Digital and Analog Compatibility
- Compact and light design: flexible installation
- Industry-leading Rx sensitivity: 0.18 $\mu$ V (-122dBm)
- IP54 & MIL-STD-810G
- Clear audio with AI-based noise cancellation
- Handheld Control Head
- Built-in GPS
- Built-in BT 5.0 for programming and wireless audio accessories

## HM78X

### Professional DMR Mobile Two-way Radio

UHF: 806-941MHz, 350-470MHz, 1-45W VHF: 136-174MHz, 5-50W

- 2.4-inch screen, quick access UI, flexible installation
- Built-in BT 5.0 for wireless audio accessories
- Supports Ethernet port, abundant IP applications
- IP54 rated, MIL-STD-810G
- Extended coverage of direct mode-IP transit
- 25% extended signal range
- 0.18 $\mu$ V improved Rx sensitivity
- Piano-style key design (P1-P4), dedicated orange emergency button



HM78X

## HR65X

### Compact DMR Repeater

UHF: 400-470MHz, 1-25W/1-10W VHF: 136-174MHz

- Compact design and flexible deployment: be mounted on wall or carried on the back
- Automatic DC/AC switch & DC floating
- Web-based backend platform simplifies repeater management
- Ethernet port provides access to IP networks
- 0.18 $\mu$ V improved Rx sensitivity
- Long battery life (50-50 Duty Cycle): 4 hours (25W), 9 hours (10W)
- Built-in duplexer
- MIL-STD-810G & 25W IP54/10W IP67



HR65X





HR106X

## HR106X

### Ultra-thin DMR Repeater

UHF: 350-400MHz, 400-470MHz, 450-527MHz, 5-50W  
VHF: 136-174MHz, 5-50W

- 1U height structure to reduce space for installation
- Automatic DC/AC switch & DC floating
- Web-based backend platform simplifies repeater management
- Ethernet port provides access to IP networks
- 0.18 $\mu$ V improved Rx sensitivity
- Quad-core 1.6GHz co-processor and 2G RAM for fast processing speed
- Router and SIP gateway functional



BD50X

BD55X

## BD50X / BD55X

### Business DMR Portable Two-way Radio

UHF: 400-470MHz, 410-480MHz (BD50X) VHF: 136-174MHz

- 0.18 $\mu$ V receiving sensitivity for better communication range
- IP54 dust and water intrusion
- Clear and loud digital voice
- Analog & digital dual modes
- 16-hour battery life
- TDMA 2-Slot technology
- VOX frees your hands from PTT
- Innovative antenna design extends the coverage
- 0.9inch display & BT 4.0 (BD55X)

## BD61X

### Business DMR Portable Two-way Radio

UHF: 400-470MHz VHF: 136-174MHz

- 0.18 $\mu$ V receiving sensitivity for better communication range
- IP66 dust and water intrusion
- Clear and loud digital voice
- Analog & digital dual modes
- 16-hour battery life
- TDMA 2-Slot technology
- VOX frees your hands from PTT
- Innovative antenna design extends the coverage



BD61X

## PD36X

### Business DMR Portable Two-way Radio

UHF: 430-470MHz

- Pocket-size design
- Micro USB charging
- Analogue & digital dual modes
- Superior audio
- 15 hours long working time
- LCD display functional keypad



PD36X



PD40X

PD41X

PD48X

## PD40X / PD41X / PD48X

### *Business DMR Portable Two-way Radio*

UHF: 350-470MHz(PD48X), 400-470MHz(PD40X/PD41X)

VHF: 136-174MHz

- Digital voice, louder and clearer
- Analog & digital dual modes
- Double-channel capacity
- VOX frees your hands from PTT
- Longer standby time
- Audio encryption and roaming (Optional)
- Embedded RFID patrol solution(PD41X)
- 1.3" OLED display and full keypad (PD48X)
- BT and GPS feature (Optional) (PD48X)



MD61X

## MD61X

### *Business DMR Mobile Two-way Radio*

VHF: 136-174MHz UHF: 400-470MHz

- Digital voice, louder and clearer
- Analog & digital dual modes
- Radio registration service
- High / Low RF power version
- Auto roaming (Optional)
- Lgnition sensing

## MD62X

### *Business DMR Mobile Two-way Radio*

VHF: 136-174MHz UHF: 400-470MHz

- Digital voice, louder and clearer
- Analog & digital dual modes
- Radio registration service
- High / Low RF power version
- Auto roaming (Optional)
- BT (Optional)
- Lgnition sensing
- 1.5" LCD Display



MD62X

## XPT

### *Extended Pseudo Trunk System*

- No dedicated control channel required
- Quick deployment with simple networking
- Large capacity with 16 voice and 16 data channels in each site
- Economical and practical digital solution
- Improved system security
- Auto detect interference
- Advanced load balancing
- Strong fault-tolerant capability



XPT



DS-6210

## DS-6210

### *DMR Trunking Pro Base Station*

UHF: 400-470MHz; 450-520MHz; 350-400MHz; 806-941MHz;  
VHF: 136-174MHz

- Fully compliant with ETSI DMR Tier 3 Open Standard
- Complete Encryption and Protection Mechanism for Safer Network  
Supports AES 256bits E2E encryption for both voice & data, authentication, ESN check and Air Interface encryption
- Flexible Networking from Single-Site to National-wide Network  
Maximum can support 512\*512 sites and maximum 48 carrier in a single station
- High reliability with Central Switch and Inner BS Redundancy  
System supports MSO, BSCU, Control channel, PSU, voice recording, dispatch system redundancy and multi-level fallback mode
- Bigger Coverage Benefits from Innovative Triple-diversity Receiving Technology  
The coverage will increase by 20% due to the extra 2-3dB gain in uplink receiving
- Seamless Handover Guarantee Continuous Communication

## DS-6211

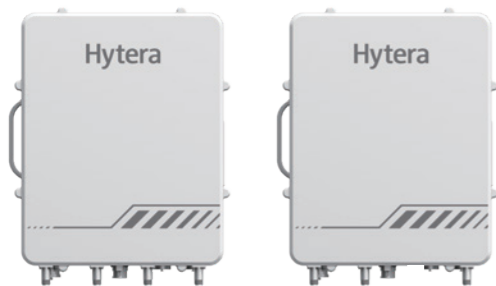
### *DMR Trunking Lite Base Station*

UHF: 400-470MHz; 450-520MHz; 350-400MHz; 806-941MHz;  
VHF: 136-174MHz

- Fully compliant with ETSI DMR Tier 3 Open Standard
- Complete Encryption and Protection Mechanism for Safer Network  
Supports AES 256bits E2E encryption for both voice & data, authentication, ESN check and Air Interface encryption
- Reduces CAPEX with decentralized structure  
Decentralized structure supports 1 up to 5 BS while Centralized structure supports 1 up to 50 BS
- High power version channel unit is supported, and 100w is supported
- High reliability with Central Switch and Inner BS Redundancy  
System supports MSO, BSCU, Control channel, PSU, voice recording, dispatch system redundancy and multi level fallback mode



DS-6211



DS-6250S UHF / DS-6250S VHF

## DS-6250S

### *DMR Trunking Cube Base Station*

UHF: 360-390MHz; 415-445MHz VHF: 136-174MHz

- Flexible installation: wall/pole/box mountable
- All in One: Highly integrated and powered on to work with weight  $\leq 16.7\text{kg}$
- Eco-friendly design with power consumption less than 350W (VHF 250W)
- SDR ensures capacity expansion from 1 carrier to 8 carriers (VHF is from 1 carrier to 4 carriers) and frequency management within 5M via software control (VHF is 2M frequency management)
- Supports tri-diversity reception to improve the coverage (diversity for VHF)
- High spectrum efficiency: 50kHz channel spacing instead of traditional 250kHz and supports trunking simulcast mode
- Works both in Trunking Pro and Lite System
- Multi base station cascade and IP capacity expansion

## DS-6310

### *DMR Simulcast System*

UHF: 400-470MHz; 330-400MHz VHF: 136-174MHz

- High spectrum efficiency, only one pair of frequency needed regardless the number of Base Stations in the network
- Smooth roaming and handover between different Base Stations; the ongoing communication will keep normal during handover
- Provides good voice performance through system dynamic voting even in overlap area
- Dedicated GPS channel can be used in DMR simulcast Base Station for fast locating
- Works both in analog and digital modes



DS-6310

## DS-9300

### *Bi-Directional Amplifier*

UHF: 350-370MHz; 400-470MHz

- Superior RF performance, high efficiency
- High gain and low noise figure
- Full duplex mode
- Use PLL and ALC technology, high stability and reliability
- Advanced software radio technology
- Outstanding digital IF signal procession technology
- Easy installation, operation and maintenance
- Flexible to any environment and low cost



DS-9300

## TS-9200

### *Bi-Directional Amplifier*

UHF: 350-470MHz; Down 851-866MHz/Up 806-821MHz  
VHF: 136-174MHz

- Modularized design, easy for maintenance
- Flexible monitoring (GSM, Ethernet or serial port)
- SDR (Software Definition Radio) technology
- High-linearity power amplifier and high-rejection duplexer
- Channel switch function
- Low requirements on installation environment



TS-9200



PT350

## PT350

### *TETRA Portable Radio*

UHF: 380-475MHz

- Wide band compatibility
- Ultra-clear and loud audio
- Water-porting and patented microphone aperture
- IP68 and MIL-STD 810G
- 22 hours high-capacity battery
- Oversized keys but simplified keypad
- Fast U-shape snap-fit and swivel belt clip
- Clear OLED screen ensuring visibility even in bright sunlight



PT560H

PT580H Plus

## PT560H / PT580H Plus

### *Mission Critical TETRA Portable Radio*

UHF: 380-430MHz (PT560H); 380-430MHz; 405-475MHz; 806-870MHz; 320-380MHz (PT580H Plus)

- 3-watt RF power(806-870MHz 1.8-watt), extended communication coverage
- Voice noise reduction and echo cancellation technology, ultra-clear and loud audio
- IP68 and MIL-STD 810G
- Up to 27 hours high-capacity battery
- Voice privacy and data security.
- GPS, GLONASS, and BDS positioning
- BT 4.0 data application
- DMO full band Tx/Rx and DMO repeater type 1A

## PT580H Plus UL913

### *Intrinsically Safe TETRA Portable Radio*

UHF: 380-430MHz; 405-475MHz; 806-870MHz

- UL913 certificated
- 1W RF Power, extended communication coverage
- Voice noise reduction and echo cancellation technology, ultra-clear and loud audio
- IP68 and MIL-STD 810G
- More than 24 hours high-capacity battery
- Voice privacy and data security
- GPS positioning
- BT 4.0 data application
- DMO full band Tx/Rx and DMO repeater type 1A



PT580H Plus UL913

## Z1p

### *Ultra-thin TETRA Portable Radio*

UHF: 380-430MHz

- Min. 268g in weight, 23mm in thickness
- 3-watt RF power, loud and clear voice
- IP67 and MIL-STD 810G
- Built-in BT and over-speed alarm
- Multiple security mechanisms (Authentication, AIE, E2EE)
- Man down, Lone worker, Emergency protect
- DMO repeater



Z1p



PT590

## PT590

### *Mission Critical TETRA Portable Radio*

UHF: 380-475MHz, 806-870MHz

- Lightweight design with 125\*55\*31mm in dimension and weighing 285g
- Finger-friendly with large, textured PTT button and independent four navigation keys
- 2.4-inch semi-transparent and semi-reflective LCD screen ensures clear readability in direct sunlight and reducing eye strain
- 9-grid menu design gets immediate access to the function
- Clear audio with AI-based noise cancellation and water porting technology
- 2W loud speaker, output up to 106 phons
- 3W RF power and high static RX sensitivity(-120dBm for 380-475MHZ; -119dBm for 806-870MHz)
- Dual-frequency positioning processing technology raises the location accuracy to 1m
- Type-C for charging, programming and upgrading
- Built-in BT 5.2 to realize freedom with no cords
- GNSS(GPS/Beidou/Glonass/Galileo) for location tracking
- Battery life of 22 hours and 18W Type-C fast charge only takes 1.5 hours
- IP68 rated & MIL-STD-810H & 1.5M drop resilient

## PT890Ex

### *Intrinsically Safe TETRA Portable Radio*

UHF: 380-475MHz; 806-870MHz

- Born for safety with IECEx/ATEX
- -25°C to 60°C operating temperature in explosion-prone areas
- Professional anti-static technology; more powerful intrinsically safe circuit
- Clear and loud audio with 2W audio output and AI-based noise cancellation
- Class 3L transmission power; high receiving static sensitivity (-120dBm for 380-475MHz; -119dBm for 806-870MHz) extends the coverage area
- Supports Bluetooth 5.3, WLAN, NFC, and Vibration reminder functionalities
- 2.4-inch screen along with large LED indicator lights
- Energy efficient design to reduce standby power consumption
- Operating time: TMO(5-5-90): 26H; DMO(5-5-90): 20H
- GPS, BDS, GLONASS, Galileo ,Dual-frequency positioning: location accuracy down to 1m
- IP68 and MIL-STD-810H



PT890Ex



MT680 Plus

## MT680 Plus

### *Mission Critical TETRA Mobile Radio*

UHF: 320-380MHz; 380-430MHz; 405-475MHz; 806-870MHz

- 10W high transmit power
- Automatic RF power control with 5 dB and 2.5 dB per step based on the signal strength.
- Large TFT LCD display allows trouble-free viewing
- 4W internal speaker, outstanding audio
- The 2-in-1 knob, easy to operate
- Supports authentication, AIE, and end-to-end encryption
- GPS, GLONASS, and BDS positioning
- Supports DMO, TMO, ETSI DMO Gateway and ETSI type 1A DMO Repeater
- Main unit: IP54; Remote Control Head: IP67 and MIL-STD810G



TETRA iBS

## TETRA iBS

### *Integrated TETRA Base Station*

UHF: 380-390MHz(Rx); 390-400MHz(Tx); 410-420MHz(Rx); 420-430MHz(Tx);

- Multi carriers in a single-box unit, flexible to adapt to traffic load
- CAPEX saving with outdoor deployment.
- OPEX saving with low power consumption
- High 40W RF power, wide communication coverage
- The carrier spacing is only 50 kHz, improving the efficient use of frequency resources
- Two TETRA iBS can be deployed at one site, which provides 32 radio channels to handle large amounts of voice or data
- With IP66 rating, the TETRA iBS is adapted to harsh and complex environments

## DIB-R5 Outdoor

### *TETRA Base Station*

UHF: 380-430MHz(Rx/Tx); 450-470MHz(Rx/Tx); 806-870MHz(Rx/Tx);

- Less than 10Kg weight, easy to install and maintain
- The Max ToC power is 20W, guaranteed RF power
- Power consumption (at 10W ToC) is less than 60W; 24h online power consumption is 1.5Kwh
- IP65 protection, born for harsh environment
- ACCESSNET®-T IP SMART system based on DIB-R5 Outdoor is designed for small-size network with less than 5 sites. It includes highly integrated lightweight design base station, "Easy to use" web-based network management system(NMS), no switch center networking with simple license package with all the TETRA features.



DIB-R5 Outdoor



DIB-R5 Advanced / DIB-R5 Compact

## DIB-R5 Advanced / DIB-R5 Compact

### *TETRA Base Station*

UHF: 320-380MHz(Rx/Tx); 380-470MHz(Rx/Tx); 806-869MHz(Rx/Tx);

- 25W TETRA 1 / PSK and 10W TEDS / QAM at the antenna connector
- The transceiver can be programmed to support either TETRA 1 / PSK or TEDS / QAM
- Remote parameters configuring and software upgrading
- Operation without GNSS / GPS with PTP precision time
- Operation temperature range - 30 °C to + 55 °C
- Full redundancy options (controller, transceiver, power supply)
- Supports distributed switching architecture without central nodes
- Fully functional fallback operation
- Sophisticated RF distribution system with 3-way diversity
- Supports GPS, Galileo, GLONASS, and BDS
- Supports the Precision Time Protocol (PTP) mode

**MCS & PoC Products and Solutions**





P30

## P30

### PoC Radio

- LTE
- Purpose-built design with 22 mm thinness and 170g weight
- Higher RX capability with the extended antenna and Hytera PoC weak field technology
- 3-watt power, 36mm speaker and loudness up to 105dB@10cm
- Truly superior audio experience with Hytera high fidelity technology
- Create or join a team in 5s with an invite code
- Multiple standby groups maximize information flow across trams
- 72-hour standby time with 3300 mAh battery
- 1.77-inch color screen presents key data
- No lag time between your finger and mouth with the real-time operating system (RTOS)
- IP54
- GPS+BDS,GPS+GLONASS,BDS (optional)

## PNC460 / PNC460U

### XRugged / Intrinsically Safe Smart Device

- Both smartphone and Push-To-Talk over Cellular (PoC) radio capabilities
- Large and dedicated PTT button
- Android 12 OS, rich APP application
- Versatile ready-to-use Hytera-developed tools
- 5-inch HD screen, sunlight readable and sensitive enough for work
- Loud and clear audio with 3W ultra linear dual-speaker and AI-based noise cancellation
- External antenna increases 70% RX capability for more stable communication
- 50 MP rear camera, HDR technology, and image stabilization algorithm
- Built-in dual-frequency GPS (L1+L5) chip provides real-time, precise in 2 meters
- IP68 rated & MIL-STD-810H & 1.5M drop resilient
- UL913 certificated (only for PNC460U)



PNC460 / PNC460U



PNC560

## PNC560

### 5G XSecure Rugged Device

- Dedicated 3GPP MCX service QCLs
- 40ms short MSP for eMBMS service
- Large and dedicated PTT button
- Unbreakable Data Security: SW Tamper-proof, HW Tamper-proof(optional)
- 3W dual-speaker, 5040mAh high-capacity battery
- AI-based noise cancellation, echo reduction, and wind noise cancellation
- 6.3-inch FHD full-screen, fingerprint and face unlock
- Triple high-resolution cameras: Front: 8MP, Rear: 48MP+8MP
- Open API for 3rd party MCX APP adaption
- Dual 5G access and dual domains
- Covert mode and confidential mode
- Man down and lone worker alarm
- IP68 certified



PNC360S

## PNC360S

### PoC Radio

- LTE & Wi-Fi
- 3W built-in speaker
- Howling suppression
- 4,000mAh battery, 24-hour working time
- IP67 and MIL-STD-810H
- Exterior antenna design for smoother communication
- GPS, BDS, GLONASS tracking
- Compact and portable with weight 190g

## PNC380

### PoC Radio

- LTE & Wi-Fi
- 5MP rear camera
- Dual-mic noise reduction
- 4,000mAh battery, 24-hour working time
- IP67 and MIL-STD-810G
- GPS, BDS, GLONASS tracking
- Full keypad
- Dedicated emergency button
- Smoother communication even in areas with weak signal



PNC380

## MNC360

### PoC Mobile Radio

- 2 external LTE antennas for better communication
- Smart switch of network with stronger signal
- 4W speaker for loud and clear audio
- Over-speed alarm and fatigue driving alarm
- Rich accessories for more flexibility
- Android system and standard APIs
- Robust design, easy to use, 300g in weight
- GPS/BDS/GLONASS/A-GPS precise positioning
- Four Braille-style programmable keys for quick operation



MNC360



PDC550

## PDC550

### Dual-mode Rugged Radio

DMR: 400-470MHz; 136-174MHz

- Broadband and Narrowband Convergence
- Built-in 2W (max. 3W) speaker
- 5-inch HD touchscreen
- Open platform and API
- IP68 and MIL-STD-810G certified
- AI-powered noise reduction and dual-mic noise reduction
- Rear 13MP camera and front 5MP camera, to capture on-scene videos



PDM680

## PDM680

### Rugged MCS Radio

DMR: 340-470MHz

- 3GPP standard, supports MCPTT, MCVideo, and MCDATA services
- D2D communication, MCS-DMR Simulcall
- GMS certified Android 10 platform
- Dual HD cameras allow you to capture on-site pictures and videos
- Outstanding audio quality up to 118dB SPL
- AI-based noise cancellation, echo reduction, and wind noise cancellation
- Supports WLAN, BT, NFC, Type-C port, and 13-pin connector
- All-round security assurance
- IP68 and MIL-STD-810H certified
- Equipped with a native Hytera MCS app-a 3GPP compliant MCS solution
- Call recording playback

## PTC760

### Dual-mode Rugged Radio

TETRA: 350-470MHz; 806-870MHz

- 4-inch intuitive screen
- GMS certified Android 10 platform
- Automatic switch between TETRA and LTE network
- Dual HD cameras to capture on-site pictures and videos
- Dual-screen, power saving, easy-to-read tilt display
- Vehicle installation applicable
- All-round security assurance
- Complete control via Smart MDM



PTC760

## PTC680 / PDC680

### Dual-mode Rugged Radio

TETRA: 350-475 MHz    DMR: 340-470MHz; 136-174MHz

- PoC-TETRA, PoC-DMR Simulcall
- Dual-mode gateway bridges PoC & TETRA
- Call recording playback
- Single Frequency Repeater for TETRA
- Precise indoor and outdoor positioning
- GMS certified Android 10 platform
- Automatic switch between PMR and LTE network
- Dual HD cameras to capture on-site pictures and videos
- Dual-screen, power saving; easy-to-read tilt display
- Outstanding audio quality up to 128dB SPL
- AI-based noise cancellation, echo reduction, and wind noise cancellation
- All-round security assurance
- IP68 and MIL-STD-810G certified
- Complete control via Smart MDM



PTC680

PDC680

# Hytera HyTalk MC MCS System

Hytera HyTalk MC MCS System is a multimedia mission-critical communication solution designed for users in public safety, energy, and transportation. It is fully compliant with the 3GPP mission critical standards including MCPTT, MCDATA, and MCVideo. The system delivers reliable voice and video communication, high-speed data transfer, and multimedia dispatch services for daily operations. It helps enhance connectivity for better collaboration and improved situational awareness.

## HIGHLIGHTS

### Standard

As a new-generation solution based on 3GPP standards, the Hytera HyTalk MC realizes the fusion of narrowband and broadband, which leads the way to the future of mission-critical communications.

### Priority

Quality of Service (QoS) of the Hytera HyTalk MC is guaranteed. This ensures that mission-critical users are given the highest priority available all the time.

### Security

The Hytera HyTalk MC supports standard AES128 & AES256 encryption and user self-developed 3GPP-compliant algorithms.

### LMR Interworking

Interworking between TETRA and MCS users, private voice call, short message, half-duplex hybrid group voice call, group short message.

### Operation

Multi-tenancy, ensures data isolation for different tenants, as well as domains to divide services tenant to have self-controlled feature configuration.

## Hytera HyTalk MC Applications



NMS(Network Management System)



SmartOne Dispatch

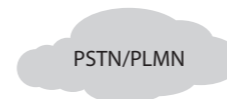


MRPS(Multimedia Recording and Playback System)



Smart MDM

## Hytera HyTalk MC Platform



PSTN/PLMN



Hytera HyTalk MC Services



Cloud Platform

## Networking



MNVO/Private/Hybrid LTE Network

## MC Client



Android APP

## Hytera Terminals



PDM680



PTC760



PTC680



PNC560



VM780



PNC380



MNC360

# Hytera HyTalk Pro PMR-LTE Convergence-native System

Hytera HyTalk Pro PMR-LTE Convergence-native System is a multimedia communication converging with narrowband communication solution that based on the public network. It provides not only rich services (voice, video, and data), but also seamless interconnection between PoC and DMR. As a result, users could reuse the exist DMR trunking system while upgrade from voice service to multimedia services. Moreover, it also features dynamic mixing group and mutual NO. of DMR and PoC, so that users does not experience any difference under most of the circumstances.

## HIGHLIGHTS

### Parallel Connections to Public and PMR Networks

Dual-mode rugged radios can connect to 3G/LTE and PMR (Private Mobile Radio) in parallel. When one network has poor connection, service could switch to another one automatically.

### Mutual Number for Dual-mode

Narrowband and Broadband have mutual number, which makes dialing indistinctive for users.

### Easy Operation and Maintenance

Centralized management, including pushing down configuration, remote upgrade of firmware and APP, log upload/download for troubleshooting.

### Mix Grouping

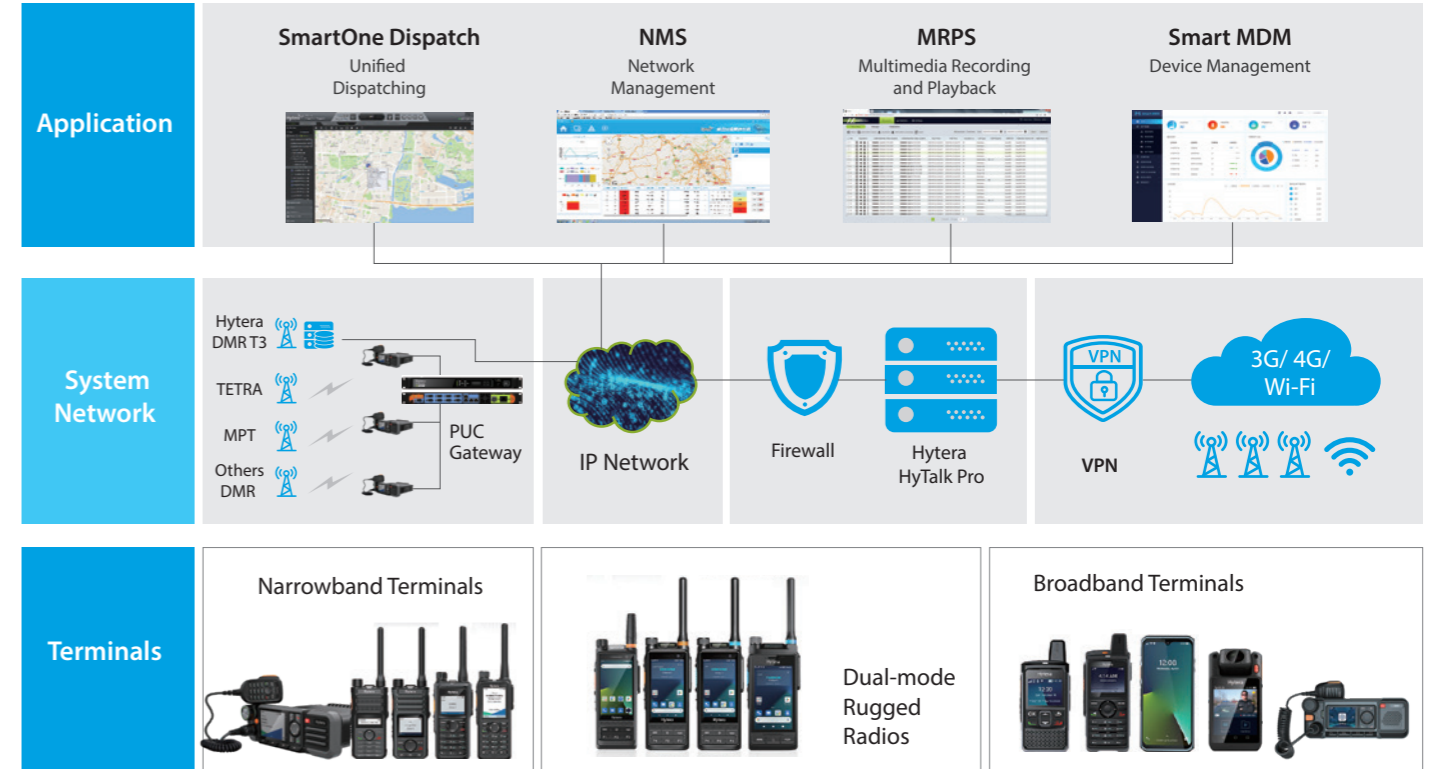
Users from narrowband and broadband could be put in the same group. Group calls could be initiated from both bands.

### E2EE (End-to-end Encryption)

The system supports end-to-end encryption of voice calls.

### Rich Services

The system provides voice, video and data services. Moreover, it gives rich dispatching service, including dynamic grouping, location subscription and real-time photo/video upload.



## Hytera HyTalk PoC System

Based on the public network, it provides rich multimedia communication services. Based on 3G/LTE/Wi-Fi, users could easily initiate one-to-one or one-to-multi communication with Hytera Terminals (including PoC /Dual-mode Rugged Radios/4G Body Cameras), Android smart phones and adapted terminals from 3rd parties. It aims to build a communication platform that can be operated independently to drive revenue growth for operators.

### HIGHLIGHTS

#### No Geographical Restrictions on Communication

Initiates communication from wherever has 3G/4G and Wi-Fi.

#### Robust Hierarchical User Model

Hierarchical design, including operator, multi-level dealers and customers with their hierarchical organizations. Each role has different but just needed authorization, and data is restrictively isolated among dealers and customers.

#### Quick Start Business at Ease

Operators, dealers and customers do not need to build infrastructure. Customer could start business with just a few steps operation on SOP web page.

#### Rich Services

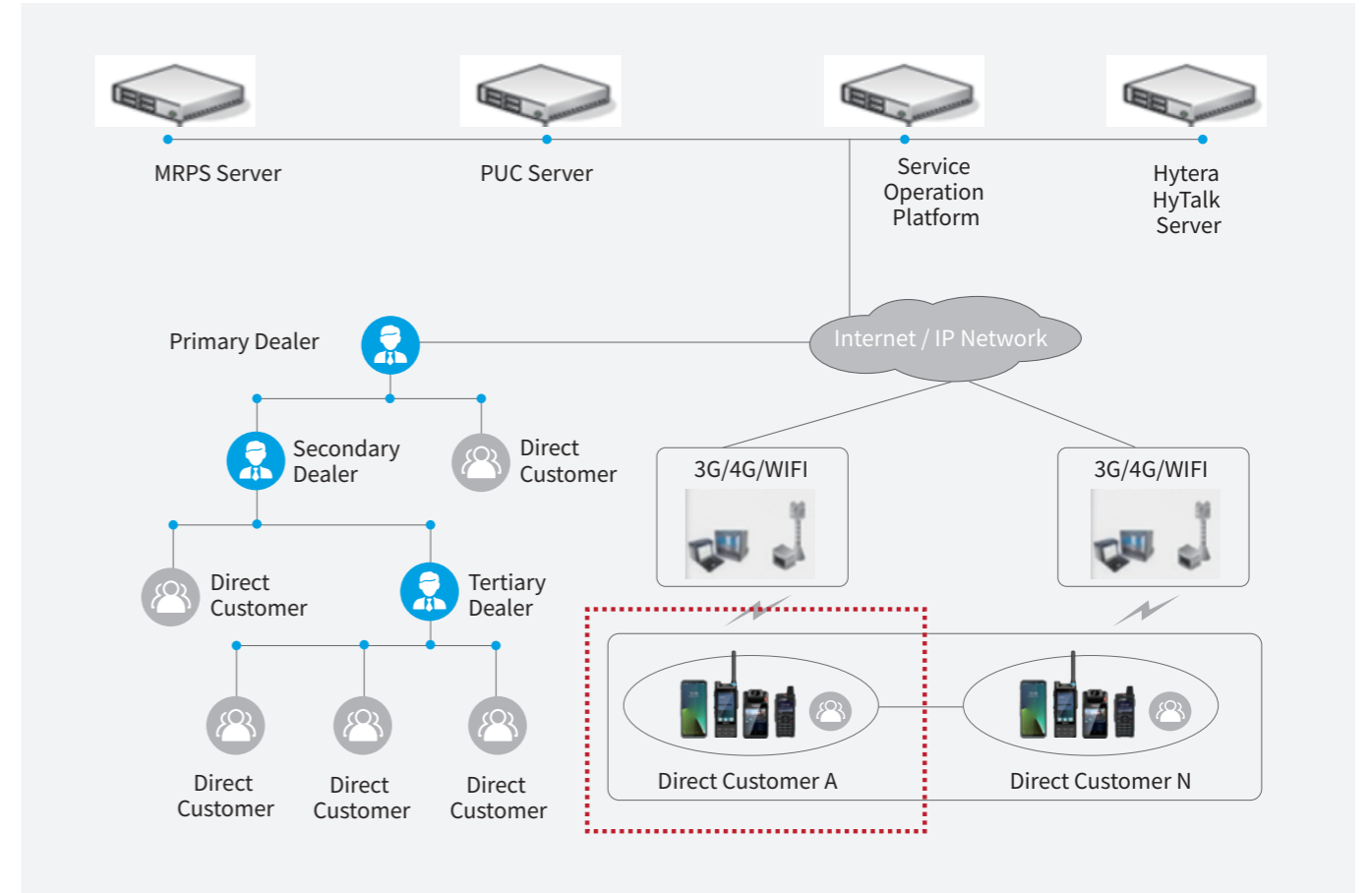
The system provides voice, video and data services. Moreover, it gives rich dispatching service, including dynamic grouping, location subscription and real-time photo/video upload.

#### Flexible Credit Plans

It offers daily, monthly, annual plans as basic. Top on that, operator could build plan templates for different roles, which could help to manage the dealers and let the dealers expand business with least operation.

#### Flexible Traffic Modes

The Hytera HyTalk PoC system provides two traffic modes for voice calls carried using the cellular data: Traffic saving mode and Normal traffic mode.



## Smart MDM Smart Mobile Device Management

The Smart Mobile Device Management (MDM) is an application designed to remotely configure and manage radios in a wireless or wired mode. Over the WLAN or LTE network, it enables you to perform programming, software upgrade, key management, permission control, App and file push, remote lock, data erasure, and more on the dual-mode rugged radios and PoC radios in batch. Working with the Device Task Workstation (DTW), the Smart MDM allows you to program and upgrade the narrowband radio and accessories in the wired mode.

### **HIGHLIGHTS**

#### **Wireless Control**

Smart MDM can program and upgrade multi-mode advanced radios anywhere covered by 3G or 4G networks or WIFI.

#### **Batch Programming**

Programming time for multi-mode advanced radios is saved by 69%-96%. Smart MDM pushes the task to the radio via 3G or 4G networks or WIFI, and the radio automatically executes it. Programming time for narrowband radios is saved by 69%-81%. Smart MDM pushes the task to IDS, and the radio connects IDS to receive and execute it.

#### **Communication Safety**

The data is always encrypted. Manual authentication secures the communication between multi-mode advanced radio and Smart MDM, and Hybrid encryption protects sensitive data.

#### **Over the Air Programming (OTAP)**

Smart MDM can program TETRA radios over the air. No need to take target radios back, just connect one radio to the IDS for sending OTAP commands.

#### **App Control**

Smart MDM controls App installation and uninstallation via black list. The black list is configured through Forbidden Install App List and Forbidden Uninstall App List. Radio users cannot install the Apps in Forbidden Install App List, while cannot uninstall the Apps in Forbidden Uninstall App List.

#### **Radio Health Management**

Smart MDM can monitor antenna status, battery health, system validity and storage capacity to ensure radio performances.

## Body Camera Solutions

# WHAT WE OFFER

Brings Body Camera to a new level with innovative hardware and software design



## GC550

### 2K Mini Body Camera

- 2K HD wide-angle camera with a 120° super-wide field of view
- Smaller, weighing less than 115 grams
- 360° rotatable belt clip allows the best wearing experience and recording angle
- 9-hour extra-long shift and 5 minutes recording time with built-in backup battery
- The intuitive sliding switch records quickly and rightly
- Auto file storage facing sudden drop or impact situation
- AES-256 encryption
- IP67 certified



GC550

## SC580

### 4G Body Camera

- On-site real-time video and audio streaming
- LTE & Wi-Fi, PTTtoC supportable
- Electronic image stabilization
- Starlight Night Vision (Pro version)
- 3,200mAh battery for 10 hours recording
- 120s pre-event and post-event recording
- Dual-stream
- AES-256 encryption
- IP68 certified



SC580





VM750D

## VM750D

### 4G Body Camera

- On-site real-time video & audio streaming
- LTE & Wi-Fi, PTTtoC supportable
- Intelligent scene detection
- 160° diagonal field of view
- 2.8-inch HD touchscreen
- 3,500mAh battery for 12 hours recording
- NFC-enabled ID switchover
- AES-256 encryption
- IP68 certified and 2-meter drop



VM780

## VM780

### 4G Body Camera

- On-site real-time video & audio streaming
- LTE & Wi-Fi, PTTtoC supportable
- 216° rotatable HD camera
- One-touch recording
- 3,500mAh battery for 12 hours recording
- NFC-enabled ID switchover
- AES-256 encryption
- IP68 certified and 2-meter drop

## Desktop Docking Station

- Combined by desktop PC and multi-unit chargers
- Simultaneously acquires evidence from up to 18 body cameras while charging
- Flexible deployment
- Up to 32 TB storage



Desktop Docking Station

## Portable Docking Station

- Simultaneously acquires evidence from up to 8 body cameras while charging
- 10.1-Inch HD touchscreen
- Weight 7.5KG, easy to carry and use
- Up to 48TB storage
- Supports WLAN remote upload



Portable Docking Station



Extender

Main

## Wall-Mounted Docking Station

- Electromagnetic lock
- Unlocks or binds officer to body camera with ID card or fingerprint
- Simultaneously acquire evidence from 6 to 24 body cameras while charging
- Up to 32TB storage
- Mounted on wall for space saving
- Easy to pick up and return
- Supports WLAN remote upload



Kiosk Docking Station

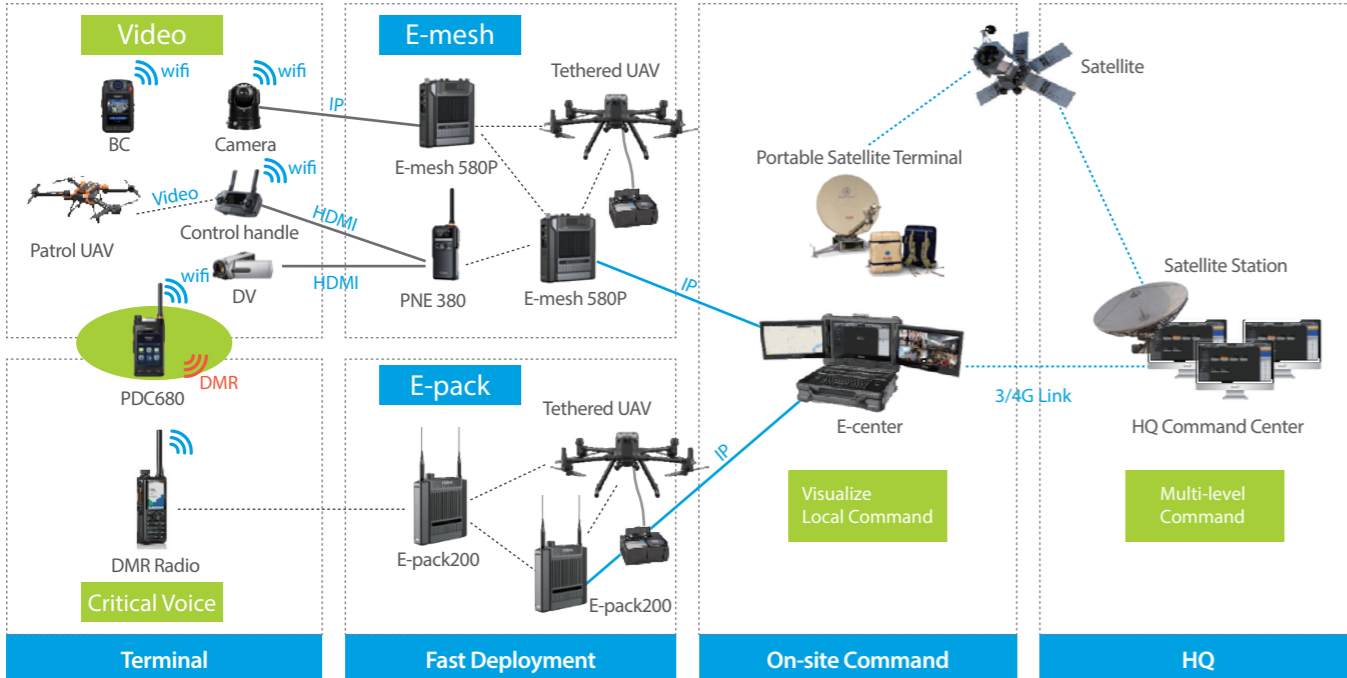
## Kiosk Docking Station

- Simultaneously acquires evidence from up to 20 body cameras while charging
- 19-Inch HD touchscreen
- Up to 128TB storage
- Ergonomic design

**Fast Deployment &  
Emergency Communication Solution**

## Overview:

Emergency Communications Solution is a self-contained and quick-response system designed for reliable communication in emergency situations such as mass rallies, natural disaster, and terrorist attack. It enables network coverage in remote areas such as mountain and woodland areas, expands network coverage in blind spots such as the subway, tunnel, underground, and provides communications support in case of fire, flood, and earthquake.



## E-center / E-center Pro *On-Site Dispatch Console*

- Triple-screen design, simultaneous display of the map, dispatch and video screens
- Rich connections to external palm microphone, microphone, and earpiece
- Multi-power supply options of standard 185Wh battery, optional backup battery and the mains, generator and vehicle powering
- Ultra portable with foldable screens
- Multiple connectivity of integrating the GSM, 3G/4G, and WLAN modules and satellite links
- Rugged and durable with carbon fiber shell, rugged industrial keyboard, plus multifunction keys and three-axis rocker
- 4 hours operating time



E-center / E-center Pro



PNE380

## PNE380

### *Broadband Mesh Handheld Node*

512~582MHz & 1420-1520MHz

Other frequency band could be customized

- Strong demodulation capability and high sensitivity, ensuring stable wireless connection
- Automatic Frequency Selection (AFS) and Dynamic Frequency Hopping (DFH) to avoid interference
- Flexible and robust networking, and auto routing, simple in configuration
- End-to-end Quality of Service (QoS), meeting different scenarios
- End-to-end security mechanism provide secured communication
- Extensive peripheral interfaces (20-pin earpiece connector, such as USB Type-C, USB-to-HDMI, USB-to-RJ45 and WLAN and BT), offering users with great expandability
- Adopting All-IP Network (AIPN) and the Android operating system, offers users with more service through audio, data, and video applications
- Max throughput bigger than 48Mbps
- 340g including the 4000mAh battery
- 6 hours' battery life in conventional operation
- Up to 32 nodes mesh networking
- IP67 and MIL-STD 810G

## E-mesh580P

### *Broadband Mesh Portable Device*

512~582MHz & 1420-1500MHz

Other frequency band could be customized

- UP to 32 nodes, the throughput of 8-hop network is greater than 16Mbps
- Long communication coverage and long battery life
- Multiple working modes to adapt to different electromagnetic environments
- Supports intelligent frequency selection, dynamic frequency hopping, strong anti-interference ability
- Easy to carry and deploy, supports deployment methods such as backpack, vehicle, and airborne
- Independent of infrastructure, support multiple power supply methods
- End-to-end QoS and security encryption, multiple security guarantees
- Abundant service interfaces and strong function scalability



E-mesh580P



E-pack100 TETRA

## E-pack 100 TETRA

### *TETRA Ad-Hoc Portable Repeater*

380-430MHz

- Supports 3 nodes
- 1W/5W/10W wireless mobile ad-Hoc networking
- Fast deployment based on wireless mobile ad-hoc networking
- Rapid charge: 2 hours 80% and 3 hours fully charged
- Battery life 10 hours (15-8s duty cycle)
- IP67, <3.8Kg (with battery)

## E-pack200

### *Dual-channel DMR Ad-hoc Portable Repeater*

350~400MHz, 400-470MHz, 136-174MHz

- Fast deployment, creates network in seconds
- Free of any IP link, flexible topology networking
- The repeater is compatible with Hytera or third-party DMR Tier 2 radios, as well as Hytera first-generation ad-hoc products
- Remote management, keeping networking status always known
- Data encryption, protect data and device
- Supports 2 groups of calls ad-hoc communication
- The location data of terminals and networking equipment can be reported periodically
- Supports wireless interconnection with command and dispatch center through 4G link
- GSM link as backup, the GSM link can be used for network communication
- Supports IP wired interconnection with other network
- Supports WLAN programming
- Open APIs facilitate third-party applications
- Works with the command and dispatch system to link people and location



E-pack200



E-pole200

## E-pole200

### *Dual-channel DMR Ad-hoc Repeater*

350~400MHz, 400-470MHz, 136-174MHz

- Supports 2 groups of calls ad-hoc communication
- Interconnects with each other automatically without any IP link
- Location upload periodically both terminals and networking equipment
- Wireless interconnection with command and dispatch platform through 4G link
- GSM link as backup, the GSM link can be used for network communication
- Supports IP interconnection with other network
- Supports WLAN programming
- The repeater is compatible with Hytera or third-party DMR Tier 2 radios, as well as Hytera first-generation ad-hoc products
- Various outdoor installation methods such as pole-mounted, vehicle-mounted and wall-mounted
- Multiple power supply such as battery power supply, vehicle power supply, solar power supply, etc
- Transmits more than 50km thanks to the 10-watt transmitting power at antenna port
- Visualized networking management keeps networking status always known



**SCAN HERE FOR  
DIGITAL CONTENT**