Hytera

DMR Ad-Hoc Dual Channel Repeater
E-pack200

Dual-path communication solution

31-repeater networking

Flexible and rapid deployment

Long-lasting battery

Real-time and precise positioning

Wireless programming

www.hytera-europe.com

Hytera E-pack200 is a huge advance in the wireless ad hoc network (WANET) repeater portfolio, designed to provide dual communication paths simultaneously and precise positioning services, providing an all-round networking solution for those engaged in firefighting, disaster relief, VIPs security, public safety management, and more.

The E-pack200 repeater can operate on custom frequencies within the preset frequency range, thus improving the efficient usage of channel resources. Incorporated with precise positioning technology, the E-pack200 repeater can periodically report its location data.

Fast Deployment
Create a network in seconds

- In emergency situations, every second counts. The E-pack200 repeater supports push-to-start for quickly and automatically establishing an independent network after power-on, so as to efficiently extend radio coverage.
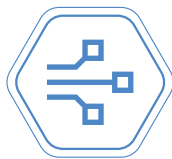
Flexible Networking Topology
Overcome dead spots

- Up to 31 E-pack200 repeaters can be deployed on the site to form a chain, mesh, or hybrid network, which can effectively eliminate dead spots in tunnels, high-rise buildings, or underground to ensure seamless communications.

Dynamic Design
Supports Dynamic Network

- The E-pack200 repeaters still provide reliable RF coverage during rapid movements. When they are moving randomly, the network topology changes accordingly.
- In the peer-to-peer network, all E-pack200 repeaters are equal, and freely joining or leaving this network.

IP Multisite Connect
Extend Radio Coverage

- With the IP Multisite Connect technology adopted, the E-pack200 repeaters interconnect with each other, establishing multiple inter-frequency or intra-frequency ad hoc networks in a large area.

LTE Link as Backup
Offers an always-reliable Communication Solution

- When the PMR network is down, the E-pack200 repeater with a SIM card can keep repeating calls or data over the LTE network. Also, it can access the command and dispatch system.

Unified Command and Dispatch
Link people and location

- Serving as a link, the E-pack200 repeaters can work with the command and dispatch system, helping the dispatcher view location and status of the radios on the map, receive alarms, and more.

Remote Management
Keep networking status always known

- The ad hoc network consisting of the E-pack200 repeaters can be monitored by the network management system. The networking topologies and RSSI of the E-pack200 repeaters are visualized in real time.

Wireless Programming
Reduce toil and trouble

- The E-pack200 repeater can be programmed by the network management system over the WLAN. Take the hassle out of programming via a cable, and minimize downtime in the field.

Interconnection
Connect to multiple systems

- The E-pack200 repeaters help the portable radios to access the digital trunking, digital conventional, analog conventional, and more systems, playing an important role in establishing a united commutation system.

Open API's
Facilitate third-party applications

- The E-pack200 repeater provides open API's, which facilitate the development of third-party applications according to actual industrial needs. This helps enrich the communication solution.

Data Encryption
Protect data and devices

- The E-pack200 repeater has multiple security mechanisms such as authentication, software and hardware encryption to protect the data and privacy. It can also be disabled temporarily or permanently through the dispatch and command system to prevent unauthorized access.

At a Glance

Easy to carry
- Dimensions: 211 mm x 62 mm x 235 mm
- Weight: 3.1 kg

More antennas than you see
- Visible dual narrowband antennas
- Built-in LTE antenna, WLAN antenna, and GPS antenna

Purpose-built design
- Sleek form factor with aluminum alloy housing
- Good tactility with plastic on both sides
- High-performance cooling with large-area heat sink fins

One-touch to view remaining battery power

Rugged design
- Waterproof and dustproof: Ip67
- Operating temperature: −30℃ to 60℃
- Shock and vibration: MIL-STD-810 C/D/E/F/G

Various power supplies
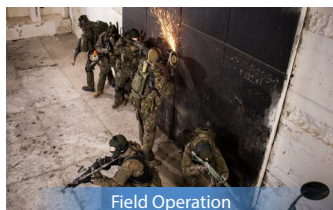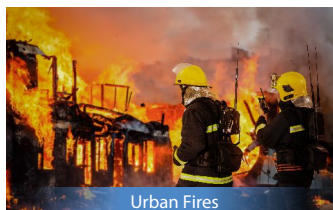- 144 Wh battery: 9 hours at room temperature, push-pull design
- Mains power
- Vehicle power
- Solar energy

Application Scenarios
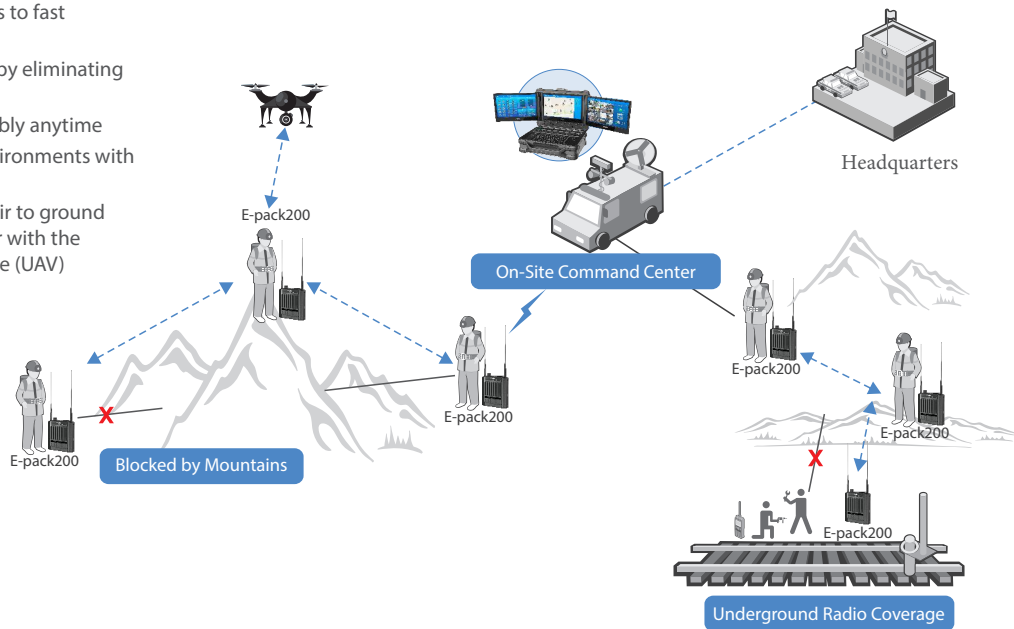
Urban Fires

Geological Disaster Rescue

Forest Fires

Marine Communications

Field Operation

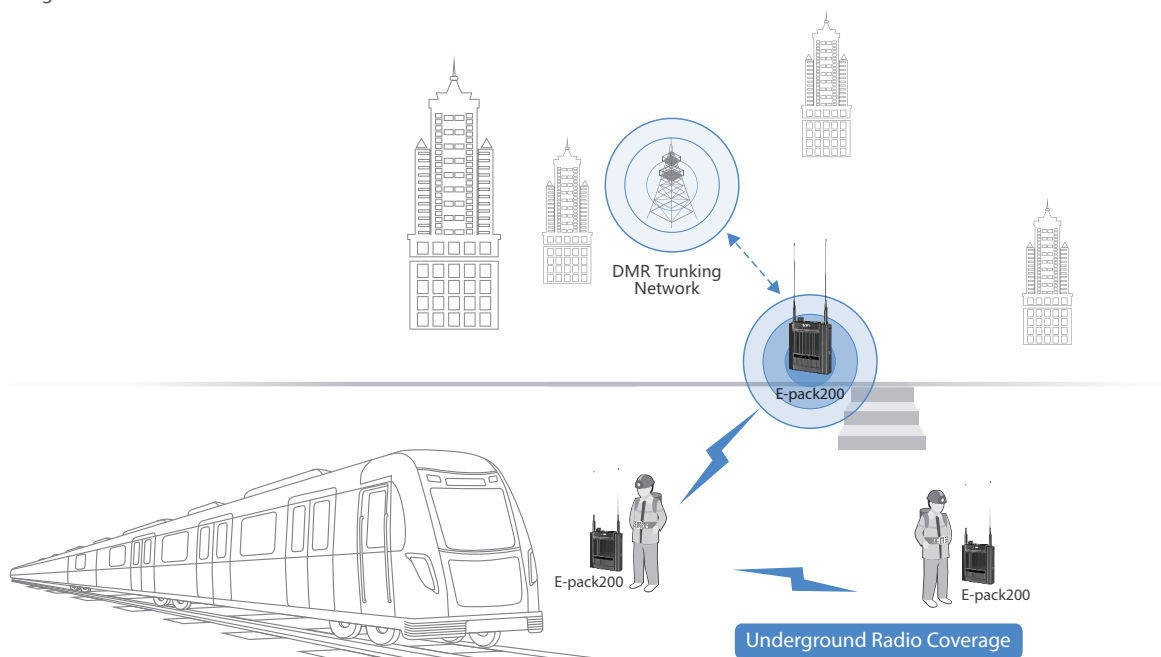Power Construction

VIP Security

Major Events
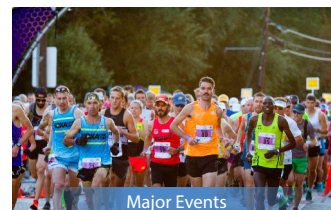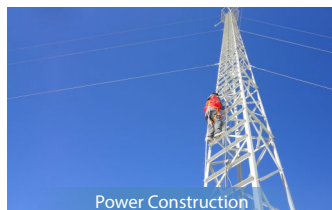
Cases

Disaster Relief

- Save rescue time thanks to fast networking.
- Extend radio coverage by eliminating dead spots
- Adjust networking flexibly anytime
- Withstand extreme environments with an IP67 rating
- Provide network from air to ground when working together with the unmanned aerial vehicle (UAV)

E-pack200

E-pack200

Blocked by Mountains

E-pack200

E-pack200

Headquarters

On-Site Command Center

E-pack200

E-pack200

E-pack200

Underground Radio Coverage

Underground

- Easy to hold and carry with lightweight design
- Quick deployment and interconnection
- Extend radio coverage and eliminate dead spots

DMR Trunking Network

E-pack200

E-pack200

E-pack200

Underground Radio Coverage

Hytera

Respond & Achieve

Hytera

30th

1993-2023