

HYTERA INDUSTRY REPORT

MISSION CRITICAL COMMUNICATIONS FOR THE PRIVATE SECURITY INDUSTRY



EXECUTIVE SUMMARY

A two-way radio terminal is the most vital piece of equipment your security personnel can have. The instant push-to-talk communications and unique range of features enhance safety and aid the response to any incident.

The security industry covers a wide range of roles and activities. Some of these roles are high risk, others less so. Some involve working in teams, others will require security personnel to work alone. What they all have in common is the need for reliable communications and nothing provides that better than professional mobile radio (PMR) systems.

“ THERE’S NO QUESTION THAT PRIVATE SECURITY IS A THRIVING INDUSTRY, REQUIRING THE VERY LATEST TECHNOLOGY TO DELIVER A CRITICAL SERVICE. ”

The private security industry has been around for a long time, but the sector has grown considerably in recent years, due in part to the increased threat of foreign and domestic terrorism. The perceived need to provide more protection for government, corporate and private residential assets has also been a factor, not to mention the growth in personal security for VIPs, high-net worth individuals and celebrities.

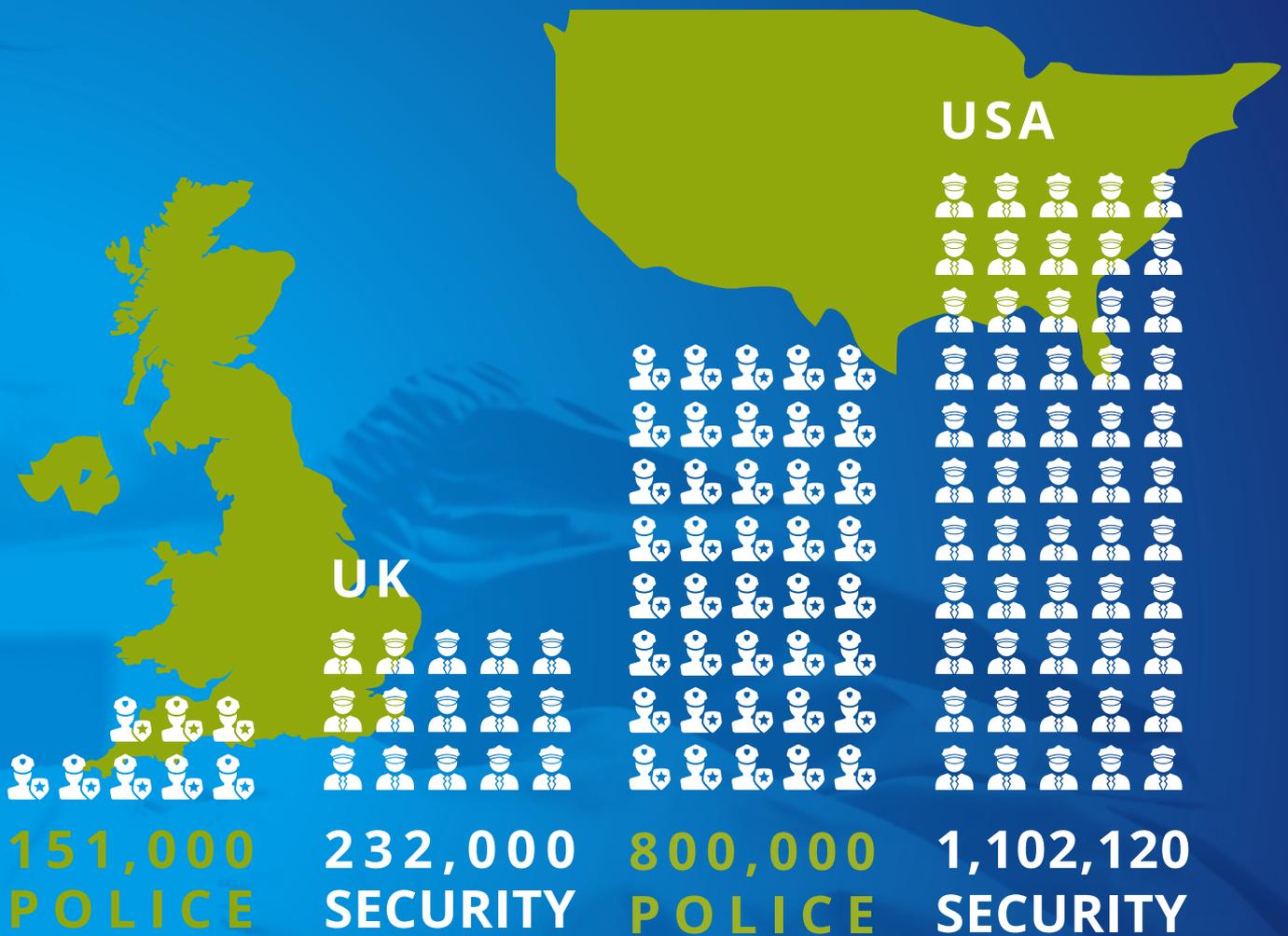
In many countries, the number of private security workers now far outweighs the number of police. In 2015, the USA was estimated to have 1,102,120 security personnel compared with 800,000 police (US Bureau of Labor Statistics). The UK had 232,000 private guards in 2015, according to the Confederation of European Security Services (CoESS) compared with 151,000 police (UK Home Office).

It’s difficult to estimate the global total, especially as many countries have no regulations in place governing the private security industry. However, a report in The Guardian newspaper, published on 20 May 2017, used as many officially verifiable sources as possible in 81 countries, to estimate that some 20 million people work in the industry.

This is likely to be a considerable underestimate, but whatever the real figure is, there’s no question that private security is a thriving industry, requiring the very latest technology to deliver a critical service.



IN MANY COUNTRIES, THE NUMBER OF PRIVATE SECURITY WORKERS NOW FAR OUTWEIGHS THE NUMBER OF POLICE



Statistics according to US Bureau of Labor Statistics, Confederation of European Security Services (CoESS) & UK Home Office.

TYPES OF SECURITY ROLES

Security personnel are a common site guarding government buildings, shopping centres, hospitals, corporate offices, financial institutions, factories, utility plants, industrial sites, ports, airports, railways, residential properties and gated communities. A mix of stationary roles and patrolling may be involved in any of these sectors.

Not all properties will be occupied, but even vacant properties need to be protected against vandalism and squatting. In countries like the UK, owners and managers still have a duty of care to anyone entering a vacant building, whether illegally or not. Manned security patrols are often deployed for this reason among others. Essentially, the job involves monitoring and controlling the movement of people, assets and vehicles in and out of the site being protected. Plus patrolling the building or area, especially at night, to deter intruders.

Crowd management at big concerts, festivals and sporting events nearly always requires private security personnel. Door supervision for the leisure industry, especially bars, clubs and sporting premises is another big sector for the security industry.

Close protection security for VIPs, high-net worth individuals and celebrities often involves working in a team. Protection can take the form of overt shows of strength to deter attack or low-key protection where security personnel blend in to some extent, but are still noticeable.

Full covert protection means security personnel are trained, equipped and operate unseen, but are near the person or asset being guarded or monitored. The latter two roles will make use of small, slim, concealed radios and wireless remote earpieces.

SECURITY WORK COVERS A NUMBER OF DIFFERENT TYPES OF ROLE. FRONT-LINE SECURITY ROLES INCLUDE:



**MANNED GUARDING
OF ASSETS; PATROLLING
AND STATIONARY**



**GUARDING CASH AND
VALUABLES IN TRANSIT**



**CLOSE PROTECTION
SECURITY FOR VIPS
AND OTHERS**



**DOOR SUPERVISION
AT HOTELS, VENUES
AND EVENTS**

Security techniques for this kind of work include:

- ▶ ROUTE RECONNAISSANCE, COLLABORATING BEFORE AN EVENT TO SCOPE AND IMPROVE SAFETY
- ▶ OPERATIONS, WORKING TOGETHER TO MANAGE PEOPLE AND ASSETS IN-LINE WITH THE ACTION PLAN
- ▶ INCIDENT RESPONSE, INITIATING EMERGENCY PROTOCOL AND REACTING TO DYNAMIC TASKS

Close protection in hostile environments is a highly specialised security job and usually requires military experience, weapons training and familiarity with operating in a dangerous territory. A study by the European Parliament entitled, The Role of Private Security companies in CSDP Missions and Operations, cited unofficial estimates that there were over 30,000 armed security guards in Iraq and 24,000 in Afghanistan in 2010.

Finally, there are a range of specialist security guards whose role it is to support the police and public services. The British Security Industry Association (BSIA) cites the following types of jobs: court warrant services, court security/custody assistance,

immigration services, lost/found/seized property management, scenes of crime protection, statement taking, street patrols (local authority and resident groups), town centre CCTV schemes, police and public services specific training and warden schemes. All these types of security roles require good communications to ensure teams work together efficiently or to give lone workers the protection they need. The ability to communicate quickly with other guards, managers, controllers or the emergency services in the event of an incident or emergency is vital.



CHALLENGES FACING SECURITY GUARDS

Due to the nature of the job, security personnel can face the prospect of injury or potentially life-threatening situations every day. Some jobs require them to remain alert and on their feet for long periods of time, which can be physically exhausting. They may also have to deal with people affected by drugs or alcohol, or crowds of people getting out of hand at major events.



There are other wider issues facing the industry. Changing times bring changing cultures. Corporate security guards and those patrolling educational facilities, for example, have roles that are no longer in the background and are largely reactive. The modern workplace requires them to be more proactive in promoting a safe, healthy culture and to be sensitive to issues of gender, race and cultural diversity.

Security personnel have key roles to play in incident response plans in offices, educational facilities and civic organisations, such as executing lockdown procedures in the event of a threatened or real attack.

The increase in terrorism has changed the threat landscape, as recent attacks in the UK and France on soft targets, so civilians, as opposed to government or military targets, have made all too clear. Therefore, security personnel must shoulder a great deal more responsibility in the light of this kind of threat. Training now often includes how to spot possible terrorist surveillance and activity.

Some security guard roles require personnel to be much more tech savvy. Before the internet and social media came along it's was easier to keep information on a VIP's travel route private. Now, terrorists or stalkers can often quite easily track celebrities' movements, and find out in advance, where they'll be. Even if information is kept private, the game can be given away by a family member innocently posting something about the trip on social media.

“ TWO-WAY RADIOS CAN PLAY AN ENHANCED ROLE HERE BY BEING INTEGRATED SEAMLESSLY INTO THESE KINDS OF IT AND VIDEO SYSTEMS. THIS ENABLES SECURITY PERSONNEL ON THE GROUND TO REACT FASTER TO ANY INCIDENT AND PROVIDE A MORE CAPABLE AND PROACTIVE RESPONSE FOR THEIR CLIENTS. ”

Gathering advanced intelligence on an executive or celebrity's destination is now vital. Security personnel need to monitor ahead for protests, civil unrest, terrorist activity, recent crime rates and feed the information into their risk analysis. As the attacks in France and UK make clear, there are no safe zones in the world any longer for anyone – celebrities and the public alike.

The private security industry continues to grow, but the sector is being impacted by changes in technology, as traditional security joins hands with information technology. The 'guard on the gate' is being complemented – and sometimes replaced – by remote electronic access control systems, CCTV and a variety of alarms triggered by sensors.

But two-way radios can play an enhanced role here by being integrated seamlessly into these kinds of IT and video systems. This enables security personnel on the ground to react faster to any incident and provide a more capable and proactive response for their clients.



YOUR NEXT SECURITY RADIO: WHAT TO THINK ABOUT

Given the variety of roles within the security industry, the choice and level of sophistication of the communication device you choose will depend on the nature of the job and the level of perceived risk your security face.

However, the good news is Hytera's range of Digital Mobile Radio (DMR) terminals, repeaters and accessories has a solution for every kind of security role from the simplest, lowest risk security patrol, to high-risk, front-line roles.

Having good quality, reliable communication technology gives your security staff, the people and assets they're guarding, better protection. Good technology can also help a security company differentiate itself in a market notorious for 'lowest price wins the job' by helping to promote added value to customers with the provision of better quality services.

Many countries impose legal 'duty of care' obligations on employers. Employers are required to carry out risk assessments and draw up strategies to provide as safe a working environment as possible for their staff, especially lone workers.

A key part of the strategy will be to provide personnel with the appropriate equipment, including communication devices. Two-way radios can save the life of security personnel or enable them to save the lives of others by connecting them immediately to colleagues, managers, controllers or first responders.

This can be done either directly by voice, or via many security features on the radio, transmitting an alert to an alarm-receiving or dispatch centre, which may also be connected to a police response.



THE RIGHT SAFETY FEATURES



EMERGENCY BUTTON



PRIORITY CHANNELS



MAN DOWN



LONE WORKER

Depending on the particular handset, Hytera radios can support a range of worker safety features, including an emergency alert button, lone worker, man down and GPS for location-based features.

Most Hytera hand portable radios are equipped with an emergency 'panic' alert button, usually orange coloured, and placed at the top of the device, or programmable on another key. The alert is sent across the whole radio system by the device that's triggered the emergency, along with the identity of the person issuing the alarm.

The alarm can come through as a voice, text or tone alarm. You can also choose how you want to filter the alarm through your systems. It can be delivered either directly to other two-way radios and mobile phones, or by to PCs, laptops and tablets, or through a central unit. The possibilities are endless and can fit into your processes.

However, given the risky nature of many security roles, often in challenging environments, it's likely that employers may want to invest in a higher specification radio providing more than just an emergency button. These higher tier radios support more advanced safety applications such as Hytera's Lone Worker and Man Down features.

The Lone Worker feature has a timer in the radio, which measures inactivity. If the timer goes over a

specified time of inactivity, a warning is issued to the radio user, and if the user fails to respond, the alarm is triggered.

The Man Down option lets a controller know if the radio has been tilted at a certain angle. This may happen if the radio user has fallen over or is unconscious or injured. If the radio passes the designated angle, or if the device is horizontal, the alarm will be triggered after a warning is issued to the user.

GPS location features are particularly useful for security personnel who are working on their own or with a central dispatch centre, as a GPS signal can help locate the person who has issued the alarm or who is in a 'man down' situation.

You need to carefully assess the needs of your security personnel and make the appropriate investment in a handset that's capable of giving you the safety features you need. Remember, it's much more than just a radio.

RUGGEDNESS, AUDIO, BATTERY LIFE & FORM FACTOR

You also need to consider what degree of ruggedness is appropriate for your security staff. Security personnel operating within buildings may not need a radio with a high IP certification against dust and water intrusion, but may still require a high certification against vibration and shock from knocks and drops.

But for those often patrolling outdoors, the high IP rating is a must to ensure that critical communications are maintained, even in the most challenging weather conditions.

Other harsh working environments, such as construction sites, petrochemical and oil and gas plants, may require a much higher standard of intrinsically safe radio if the area under protection houses potentially explosive materials and gases. The Hytera range has radios suitable for all these types of environments.

Another aspect to consider is audio quality. It's important to ensure the security team can hear and talk in even the noisiest of environments, such as in front of a sports crowd, a loud concert or a noisy industrial site.

Hytera's digital radios have the advantage over classic analogue technology here as they can cancel out background noise through the terminal to ensure instructions can be clearly transmitted and received. In most conditions, digital radios will provide a superior call quality compared with analogue radios.

Security personnel often work long shifts, potentially remotely, so it's vital their radios have a long enough battery life to do the job. Because DMR radios use two-slot TDMA technology, they transmit on one of the two available timeslots, or half the time of a conventional analogue transmission.

This enables them to deliver a battery life of up to 40% longer than the analogue equivalent on a single charge.

Form factor and weight is another aspect to consider. Hytera's entry-level PD3 Series of DMR radios are small and compact and might suit some lower risk security roles. However, the feature set doesn't support more advanced safety applications, such as Man Down and Lone Worker.

If a more advanced lightweight, slimline radio is required, the X1p and X1e are ideally suited and they're unquestionably the models to go for if covert work is required, with dual-microphone, GPS and Bluetooth as standard. Beyond that, the choice is largely about the range of features and whether a conventional or trunked DMR network is being used with the latter necessary for higher call volumes and larger teams.

CRITICAL COMMUNICATIONS IN ANY ENVIRONMENT



**Extreme Weather
Conditions**



**Construction
Sites**



**Petrochemical
Sites**



**Oil & Gas
Plants**



PD355

IP 5 4

Ideal radio for indoor use.
IP54 Standard.



X1P

IP 6 7

Ideal radio for outdoor covert use
IP67 Standard.



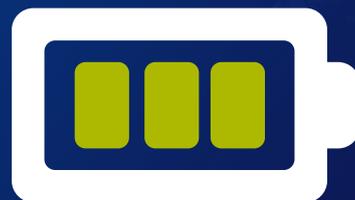
PD795IS

IP 6 7

The essential radio for Atex environments.
Explosion Proof.

In addition, the use of Lithium-ion battery technology offers an increased talk time per charge. This allows Hytera digital radios to be used continuously for up to 14 hours, with some models lasting up to 16 or even 19 hours.

UP TO 19 HOURS



WHAT HAPPENS IN AN EMERGENCY?

In an emergency, a licensed radio gives you the confidence that your radio channels are for your private use and, providing you have the right capacity, they'll be ready and available.

If an emergency were to occur on your DMR network and other team members were also using their radios, certain types of calls will be given priority over others. If the emergency button is pressed, that transmission has priority access to the radio channel over every other kind of call.

If the channels are busy, the system is designed to ask callers to wait in a queue until a channel is available. The system can be set up to prevent some users having access to certain types of call, such as group calls, individual calls or an interconnection to a PSTN/PABX telephony network.

The network might even be set up to allow only security staff to make emergency calls while, for example, desk-based staff on the same network

might be blocked from doing so. It's important to set up call groups and assign hierarchies of access to the network, or to certain features on the network, so you can handle traffic in emergency situations efficiently.

By instigating these kinds of strategies, the resources of the DMR network can be optimised to ensure the most urgent transmissions, or the top priority users, have best access to the radio system. The volume of traffic can then be handled in the most appropriate way to ensure the most urgent transmissions are dealt with first.

EMERGENCY CALL



EMERGENCY BUTTON
OR MAN DOWN ALERT
IS TRIGGERED



DISPATCHER RECEIVES THE
EMERGENCY SIGNAL AND
SENDS OUT ALERT TO OTHER
RADIO USERS IN THE AREA



OTHER RADIO USERS
RECEIVE THE CRITICAL
INFORMATION AND
RESPOND

RESILIENCE, RELIABILITY & AVAILABILITY

Cost is always a factor in any industry and some customers, or the security firms they hire, may be tempted to issue their staff with mobile phones as their communication device, or expect them to BYOD (bring your own device) as a seemingly cost-effective solution, rather than providing two-way radios.

However, there are some drawbacks to relying on a commercial mobile phone network. Communications are not instant or grouped, and the end user has no influence over the coverage area or the mobile signal strength and reliability. So, users are at the mercy of whatever service levels the nearest mobile base stations can provide.

This may mean that the signal is poor or even non-existent within buildings manned and patrolled by security guards, particularly if they are new buildings constructed out of modern reflective materials, which are good at blocking radio signals.

Mobile phone coverage and signal strength may also be patchy or absent entirely outside the assets being protected, particularly if the assets are in more remote parts of a country, such as a power station. Dropped calls or the inability to send messages and alerts could seriously impact on a security personnel's ability to function efficiently.

Furthermore, commercial mobile networks are not designed with the levels of robustness and resilience of private PMR networks, and so are more vulnerable to network failures, which could leave security teams without any means of communicating.

Investing in a DMR two-way radio network on the other hand, enables you to design a system, which delivers coverage exactly where it's needed, and with the required capacity to support the number of users and call groups.

Redundancy against network failure can be mitigated by adding extra control nodes, which are capable of taking over almost instantaneously in the event of the main node failing. If a node fails, the local base station or repeater can still operate independently to ensure the radios connected to that site can still operate.

If the local base station or repeater fails, the radios connected to that repeater can bypass the network entirely and using direct mode technology, still talk to each other. These redundancy options are simply not available on a commercial mobile phone network.



DISPATCHING AND CONTROL

Security teams generally need to make regular reports to a controller and they obviously need to send an alert, verbally or otherwise to someone in the event of an incident. Usually this will involve a controller at a dispatch console linked to the DMR network, capable of communicating to multiple members of staff, and who can deal with alarms, issue instructions and co-ordinate any response.

The Hytera SmartDispatch solution for DMR networks gives you a highly flexible and efficient tool for managing your radio system. The solution is not a single module but several components that can be put together to suit the size, topology and coverage requirements of your system.

SmartDispatch can be configured for a single-site system right up to a large, multi-site network. All configurations can be easily managed through a remote configuration tool. SmartDispatch supports a wide range of features and applications – too many to go into detail – but there are a few key features worth highlighting in relation to the security industry.

The solution can handle all types of voice call with each dispatch console able to access up to eight voice dispatching channels. The SmartDispatch System server records and stores all DMR voice calls and PSTN/PABX voice calls, which the radio system can connect with via the SIP standard protocol.

GPS positioning enables you to obtain the location coordinates your staff from the built-in GPS module in the Hytera radio – available on request for some models. The information can be very useful in emergencies when dispatchers need to send help to the scene of an incident.

Geofencing is another feature that you may wish to implement. SmartDispatch can define regions on the map as working or restricted areas for a predefined set of radios. If the geofencing area is infringed by any of the predefined set of radios, an alarm will be activated in the control centre. An option to send a message to the subscriber unit is also available.

SmartDispatch handles all the different types of emergency alarms by acknowledging the alert and coordinating a response. Over the air programming is also available, along with full reporting and statistics, database backup and file recovery.



HYTERA SMARTDISPATCH GEO-FENCING



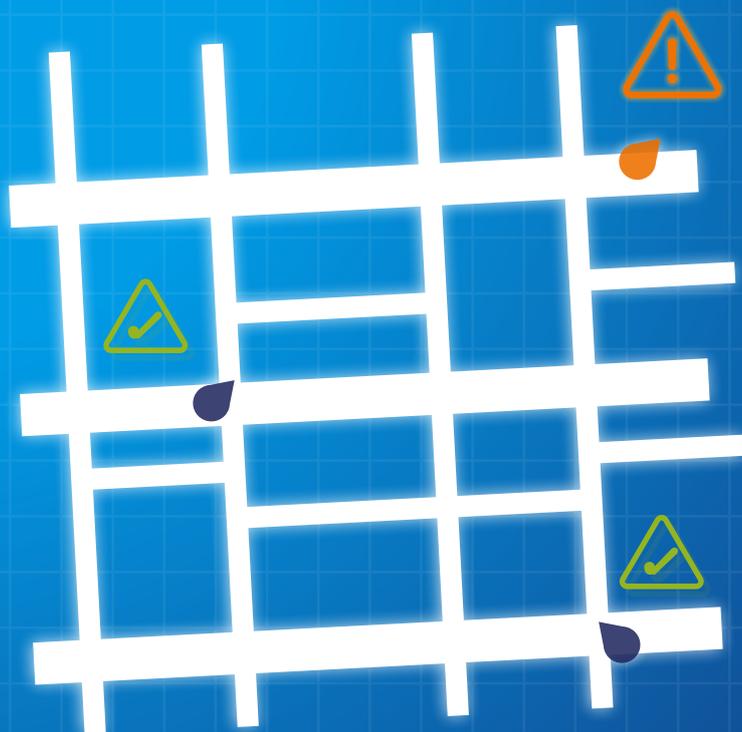
WHEN A GEOFENCING
RULE IS INFRINGED



ALARM ACTIVATED IN
THE CONTROL CENTRE



MESSAGE SENT TO THE
SUBSCRIBER UNIT



Once the geofencing rule is infringed (based on whether the region is a working region or restricted region) by any of the predefined set of radios, a geofencing alarm will be activated in the control centre and optionally a message will be sent to the subscriber unit.

KEY

-  - Radio in Working Region
-  - Radio in Restricted Region

HYTERA PATROL SOLUTION

Security personnel with a regular patrol or checkpoint requirements, often have to carry multiple devices to tap into the checkpoint, whether it's a scanner or wand, badge or tag with monthly subscriptions – as well as their radio!

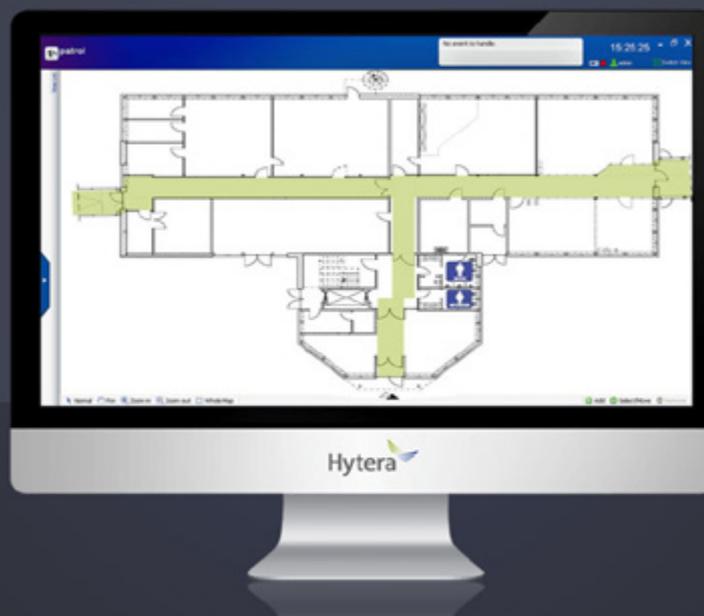
To save both time and money, you can converge all this into one single device using the Hytera Patrol Solution. It's simple, user-friendly and cost-efficient with no monthly subscriptions. It's currently being used by shopping centres, campus facilities, leisure destinations and many other patrol sites across the country.

The solution uses RFID tags and the Hytera PD415 DMR radio, which is pre-installed with an integral RFID reader, to enable customers to monitor personnel and assets at all times. This helps to increase safety, security and the efficiency of the security guard patrol.

The RFID tags are made up of a patrol identification card (POA72) and a checkpoint (POA71). The checkpoints are installed in the location that needs to be safeguarded, along with the intended patrol route.

As the user starts their shift, they register their PD415 with their patrol identification card by tapping it against the front of the radio, logging them on to the patrol system. As the user passes a checkpoint along their patrol route, the radio is held against the checkpoint. This scans the location using the RFID technology.

The data acquired is transmitted from the radio to the Hytera patrol software, a programme which provides mapping and route planning functionality to allow logs to be visibly shown on site and building diagrams, with user ID information.



Hytera DMR Patrol Software Solution

All logs are recorded and can be subsequently analysed. A repeater or mobile radio (the MD785 or MD785G) can be used as a receiving station and the patrol system can also be connected via IP, which allows the patrol software and monitoring team to be located off-site.

If data can't be transferred to the monitoring centre due to a lack of coverage, the PD415 radio allows the data to be transferred later.



Hytera Patrol Solution RFID Checkpoint (POA71) and PD415 with integrated RFID reader

NEW CONVERGENT SOLUTION

The Hytera Multi-mode Advanced Radio is a revolutionary device in the private radio network industry. The first of its kind to offer a truly convergent platform for critical voice and broadband data services, this innovative development is a significant milestone. The radio supports multi-mode communication in different scenarios, whether it's daily business operations or emergency response, broadband or narrowband, utilising the public or private network.

Offering the user a truly unified communication experience. The rich applications and high-level data security ensures the radio calmly handles any critical situation, improving co-operation and seamless communication.

The ergonomic design combined with the rugged chassis and touch-screen supports a new sensory experience to meet your diversified requirements. You can listen and see clearly, operate and transmit securely and utilise your improved situational awareness to respond and achieve quickly and effectively.

Sense



The Hytera Multi-mode Advanced Radio delivers excellent situational awareness, smartly detecting the surrounding environment, providing alerts and acquiring data in real time. Communicating continuously with back-end systems, you can improve your operational effectiveness with instant feedback and informed decision making. The device will become an extension of your senses, assuring your safety and enhancing your response with on-demand services.

Seamless



Whenever and wherever you are operating, the Hytera Multi-mode Advanced Radio is by your side offering a great voice communication experience. Seamlessly switching between networks, the intelligent device manages multiple communication modes, presented in a dedicated, user-friendly interface, to ensure that you can enjoy a seamless communication experience while the handset takes care of network transitions.

Supervision



Security of personnel and your voice or data transmissions is critical no matter the application. The Hytera Multi-mode Advanced Radio is designed to provide holistic secure control of your communications, adopting an effective link between the radio and back-end systems. There is no need to worry about data security, device loss, evidence management or command availability as the handset delivers a brand-new encrypted control system.

MULTI-MODE ADVANCED RADIO VARIANTS: PDC760 DMR/LTE PTC760 TETRA/LTE

Mission Critical UI Design

One hand operation
Quick press to view critical information
Rich information on the home page, customised favourites

Keys

Multi-functional control (press and rotate)
Switch between volume, channel and contacts

Smart Key

Function varies depending on application

PTT

Push to talk
Easy to use
Large button

Rugged and Durable

IP67
1.2 metre drop test
MIL-STD-810 C,D,E,F,G

Diverse Connections

Sensors: 6-axis E-compass, barometer, gyroscope, accelerometer, proximity sensor, ambient light sensor
Positioning systems: GPS, BDS, GLONSS
Wired connection: accessory pins; Wireless connection: Wi-Fi, NFC and RFID

Identification

Interchangeable colour bands to quickly identify handset

Front & Rear Camera

Rear 13MP camera supports 4K HD video

Screen Design

Dual-screen for power saving
Quick-view Top Screen
Clear information at a glance from multiple angles

Screen Reliability

Gorilla Glass III
Scratch-resistance, anti-impact, anti-fingerprint and oil resistance

Industrial LCD

Service life over 30,000h



VM685 - BODYCAM AND REMOTE SPEAKER MICROPHONE

Mission Critical UI Design

- One hand operation
- Quick press to view critical information
- Simple menu options to customise on the job

Outstanding Recording Performance

180° rotatable & 140° wide-angle lens, 16-megapixel image sensor and six infrared LED.

Rugged and Reliable

Dust and waterproof, rated IP67, sustaining performance in harsh environments

Secure and Reliable Data Transfer

Dock the VM in the charger to export audio, video and other data to the EDM platform. This feature ensures the content captured remains tamper-proof and secure.

Memory Capacity

16GB (Standard)
32GB/64GB/128GB (Optional)

Simple Intelligent Design

Easy to use, with one-touch operation for video capture, voice recording and emergency call.

Battery Life (Video Recording)

Greater than 8 Hours
4K HD video

Slimline and Compact

This lightweight device weighs less than 170g, positioned on the person using the universal heavy duty clothing clip.

Critical Communications

Push-to-talk and emergency mode through your radio



ACCESSORIES AND BODYCAMS

Like the police, security personnel need to keep their hands as free as possible and their eyes on the person or incident they're dealing with. So, the use of remote speaker microphones and earpieces can be very helpful.

Hytera has a large number of wired and wireless audio accessories in its portfolio, including common and specialist earpiece sets, speaker microphones and micro surveillance earpieces for covert operations. Therefore, it's important to ensure the Hytera radio you choose can support the particular types of audio accessories required.

In addition, Hytera provides a range of antennas, batteries, radio chargers, car kits and carrying equipment, such as belt clips, lapel clips and wrist straps.

Security teams may also be issued with bodycams, which can be used to provide evidence after an incident or even streamed live at the time if a suitable bearer technology, such as WiFi or broadband, is available.

Hytera has the VM685 bodycam for capturing, storing and analysing evidence from the field. The in-built remote speaker microphone allows users to communicate efficiently via their Hytera radio, initiate an emergency alarm and deliver recorded media.

It can be used as a stand-alone device or paired with traditional radios. Plus, the VM685 can deliver real-time video when paired with the Hytera PDC760 Multi-mode Advanced Radio, which can support 4G broadband.

The VM685 has a 180° rotatable and 140° wide-angle lens, 16-megapixel image sensor and six infrared LED for low-light conditions. It features one-touch operation for video capture, voice recording and emergency calls. Secure and reliable data transfer is enabled when the device is docked in the charger.

Once docked, the device will then export audio, video and other data to the MDM (mobile data management) platform. This ensures the content captured remains tamper-proof and secure, tagged and dated and can be used as evidence in court if the correct data management processes are in place.

The VM685 weighs less than 170g when clipped onto a person. It's also IP67 dust and waterproof rated and supports Bluetooth 4.0 for wireless connectivity for audio and BLE support. Additional connectivity is available via Wi-Fi to push information and support programming.



VM685 Bodycam and Remote Speaker Microphone, POA4 covert in-ear receiver (left) and ESW01 Bluetooth headset (right).



Training and support

Given the importance and high-risk nature of many security jobs it's important all your personnel are properly trained to use the radio and are aware of how to make the best use of its features and applications. The radio can quite literally be the difference between life and death in critical situations.

All Hytera authorised partners will give you the necessary training and support your individual requirements. It's also important you have provisions in place to deliver training on an on-going basis, particularly where transient or contract workforces are being used.

The same applies to the continued monitoring of network performance, maintenance, repairs and upgrading of the system and radio terminals. You should ensure you have the right support package in place with your radio dealer, so issues are dealt with quickly, professionally and security personnel operations are not compromised.



Speak to a Hytera
authorised dealer and
specialist at hytera.co.uk



Your Hytera partner:



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Keep up to date with Hytera on social media.



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Encryption features are optional and have to be configured separately. They are also subject to European export regulations.

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