

400-470MHz 136-174MHz Channel Capacity Zone Capacity Zone Channels Channel Spacing 12.5kHz/20kHz/25kHz Operating Voltage 7.4V (rated) 2 400 mAh Li-ion Battery Life (5/5/90) Digital: 23h (GPS off), Digital: 21h (GPS on) Frequency Stability \pm 0.5ppm 50 Ω Antenna Impedance Weight (with antenna & batte 321g 1.45 inch LCD, 240x320 pixels, colorful Analog: 0.18μV (12dB SINAD); 0.16μV (Typical) (12dB SINAD) Digital: 0.18μV/BER5% TIA-603: 60dB@12.5kHz; 70dB@20/25kHz Adjacent Channel Selectivity TIA-603: 70dB@12.5/20/25kHz TIA-603: 70dB@12.5/20/25kHz Spurious Response Rejection ETSI: 70dB@12.5/20/25kHz TIA-603: 80dB ETSI: 84dB Blockina Hum and Noise 40dB@12.5kHz; 43dB@20kHz; 45dB@25kHz Rated Audio Power Output 0.5W Rated Audio Distortion ≤3% Audio Response +1 ~ -3dB Conducted Spurious Emission <-57dBm UHF: 1W/4W VHF: 1W/5W RF Power Output 11K0F3E@12.5kHz FM Modulation 14K0F3E@20kHz 12.5kHz Data Only: 7K60FXD 4FSK Digital Modulation 12.5kHz Data and Voice: 7K60FXW -36dBm<1GHz; -30dBm>1GHz Conducted/Radiated Emission ±2.5kHz@12.5kHz;±4.0kHz@20kHz; ±5.0kHz@25kHz 40dB@12.5kHz; 43dB@20kHz; 45dB@25kHz FM Hum & Noise 60dB@12.5kHz; 70dB@20/25kHz Audio Response +1 to -3dB Audio Distortion Digital Vocoder Type AMBE+2[™]/SELP -20°C* to +60°C Operating Temperature Storage Temperature -40°C~ +85°C

IEC 61000-4-2 (Level 4) ±8kV (contact); +15kV (air) Dustproof & Waterproof IEC60529-IP67 MIL-STD-810H Shock and Vibration MIL-STD-810H GPS, GLONASS TTFF(Time To First Fix) Cold Start <1minute

TTFF(Time To First Fix) Hot Start <10seconds Horizontal Accuracy Accuracy specs are for long-term tracking (95th percentile values>5 satellites visible at a nominal -130dBm signal strength)

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Standard

Charger CH10L30

Li-ion battery

BL2301-Ex

BC48

Waterproof Remote

Programming cable

Multi-unit charger

(USB port)

Speaker Microphone(IP67)

Optional

Adapter(12V/1A)

PS1014

RO03

Heavy duty

2-wire Surveillance

Earpiece with Transparent

Acoustic Tube(Black)

Noise-cancelling Headset









Application Scenarios











Safety that thinks ahead.



UL913 Intrinsically safe

Peace of mind in hazardous area

Certified by the SGS agency and in strict compliance with the UL913 and TIA4950 standards, the radio is specifically designed for use in dangerous conditions with potentially combustible dust, flammable liquids, and explosive gas. No matter how extreme the working environment is, the radio can always provide reliable and efficient communications.



Multiple safety mechanisms

Prepare for the unexpected

The radio has a suite of proactive approaches to safety. It can intelligently detect whether the battery is anti-counterfeiting and explosion-proof, preventing the risk or fire and explosion posed by the use of non-anticounterfeiting and non-explosion-proof battery. Also this radio provides Lone Worker and Emergency Alarm to make your people call for help quickly in case of an emergency, and the radio can send its location to the command center at the same time so that your people can be easily and accurately pinpointed thanks to the GPS and GLONASS positioning systems.

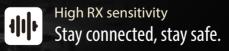


Superior audio quality

Make voice hear and heard, clearly

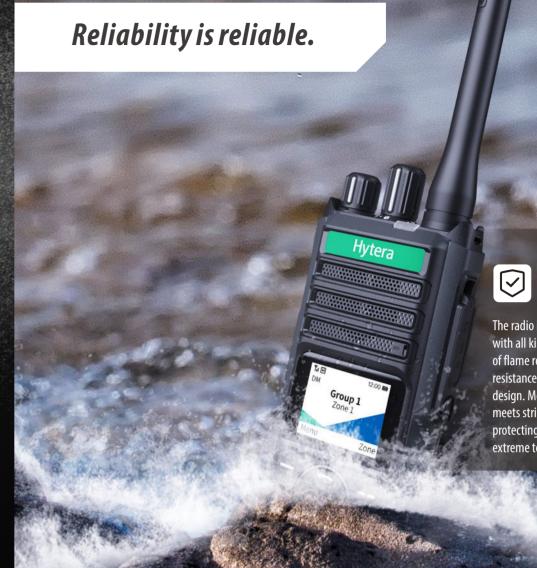
From high-power speaker to Al-based noise cancellation, as innovated and tested by Hytera Audio Lab*, the radio makes your people hear and be heard clearly even in noisiest environments. The Al-based noise cancellation technology helps the radio filter out the ambient noise including breathes, extract the human voice, and eliminate the annoying howling occurred by radios that are 30 cm away from each other.

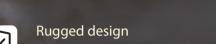
* Hytera Professional Lab.



With enhanced RF solution from Hytera RF&Antenna Lab* adopted, the receiving sensitivity of every frequency band is improved up to $0.18 \,\mu\text{V}$ ($-122 \,\text{dBm}$). No matter whether the radio is in the area with weaker signal strength or at long range, it can always provide reliable communications for individuals or groups across your team to enhance safety and efficiency.

* Hytera Professional Lab.





The radio is built to withstand the harsh conditions that come with all kinds of industry fieldwork. The radio housing is made of flame retardant polycarbonate with excellent abrasion resistance. And the texture on the back of the radio is non-slip design. More importantly, this tough radio is IP67-rated and meets stringent MIL-STD-810H military standards for protecting against dust, water, vibrations, 1.5-meter drops,













