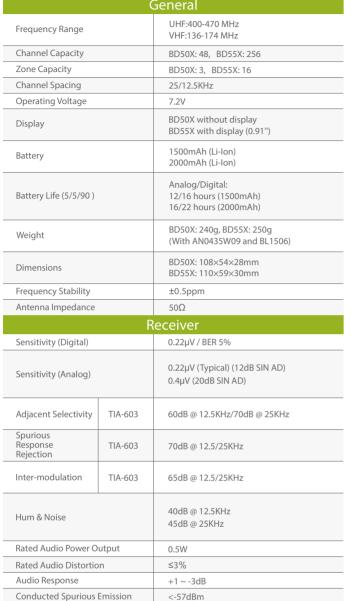
SPECIFICATION



Transmitter	
RF Power Output	VHF High power: 5W VHF Low power: 1W UHF High power: 4W UHF Low power: 1W
FM Modulation	11K0F3E @ 12.5KHz 16K0F3E @ 25KHz
4FSK Digital Modulation	12.5KHz Data Only: 7K60FXD 12.5KHz Data & Voice: 7K60FXW
Conducted/Radiated Emission	-36dBm <1GHz, -30dBm >1GHz
Modulation Limiting	±2.5KHz @ 12.5KHz ±5.0KHz @ 25KHz
FM Hum & Noise	40dB @ 12.5KHz 45dB @ 25KHz
Adjacent Channel Power	60dB @ 12.5KHz, 70dB @25KHz
Audio Response	+1 ~ -3dB
Audio Distortion	≤3%
Digital Vocoder Type	AMBE++
Digital Protocol	ETSI-TS102 361-1,-2,-3
Envi	ronmental
Operating Temperature	-30°C~ +60°C
Storage Temperature	-40°C~ +85°C
ESD	IEC 61000-4-2 (Level 4) ±8kV (Contact) ±15kV (Air)
Dustproof & Waterproof	IP54 Standard
Humidity	Per MIL-STD-810 G Standard
Shock & Vibration	Per MIL-STD-810 G Standard

BD50X/BD55X, X=0, 2, 5,6 or 8, model number varies geographically. For details, please contact our

All specifications are subject to change without notice due to continuous development





Hytera's BD5 series two-way radio is the compact device that provides professional communications and easily operated. Today, communication tools are the key to improved efficiency. When we ask for clear voice, it means a reliable talk, easy-to-hear and understand. Long battery life helps you to maintain control. A rugged and robust device takes the worry out of communicating. High-performance but simple operation will make everything go easy.

Hytera understands customers' requirements and meets them all in one. With lightweight, easy-operation, excellent performance, long battery life and reliability. We redefine a business radio using Hytera digital technology and quickly responding to what you need.

EXCELLENT PERFORMANCE

With innovative design, BD5 series has better performance than analog radios. Excellent reception ability makes talk range further extended. DMR digital radios with good performance and negligible interference, provide stable communication.

RUGGED AND RELIABLE

BD50X/BD55X is designed and tested to meet Military Standards 810 G, including temperature shock, vibration, high & low temperature and humidity. IP54 dust and water-proof design guarantees the reliability in different environments. Based on TDMA technology, the radio can work longer, up to 22 hours in digital mode.

CLEAR VOICE

With digital encoding and correction technology, human voice is transmitted clearer without noise, even over greater distance. This is a new experience of improved audio quality.













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Hytera doesn't bear relevant responsibility. Little difference between real product and product indicated

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CH D3 Show the radio receiving and transmitting SPEAKER AND MICROPHONE Provide clear receive and transmit audio.

LIMITELESS CHANNEL **SELECTOR**

Up to 256 channels can be selected via continuous rotation.

POWER ON/OFF, VOLUME UP/DOWN

AUDIO JACK

Supports different earpieces and remote speaker.

DISPLAY

Support displaying channel alias, caller ID and alias, zone number, battery indicator, high/low power, and signal intensity

PUSH-TO-TALK BUTTON Easy to find and touch.

PROGRAMMABLE BUTTON

It can be programmed for useful function you require.

PROFESSIONAL AND SIMPLE TO USE

BD50X

A/D ANALOG & DIGITAL DUAL MODES

BD50X/BD55X can support both analog and digital modes on the same hardware. You can switch between two operation modes easily and it helps you to communicate with analog radios.



ANTENNA

CHANNEL KNOB

LED INDICATOR

easily changed.

Enhance signal receiving ability.

Support 16 channels that are

status as green light and red light.

ANALOG & DIGITAL AUTO DETECT

BD50X/BD55X can detect the signal type when receiving a call, then automatically switches between analog mode and digital mode. During the call hang time, user can reply by using the push-to-talk. This is migration technology from analog to digital.



EXTENDED TALK RANGE

Based on Hytera innovative technology, your talk range is extended.



LONG WORKING TIME

Based on TDMA technology, BD5 series in digital mode can work upto 16 hours @1500mAh or 22 hours @2000mAh in 5-5-90 mode.



CLEAR VOICE

Excellent audio quality comes from the DMR digital technology, which makes communication more reliable.



RELIABLE AND DURABLE

BD50X/BD55X is compliant with MIL-STD-810 G and IP54.



ANTI-INTERFERENCE

BD55X

Adopted digital encoding and error correcting module, BD5 series has the ability to avoid signal interference on the same



DMR DMR SIGNALING

With DMR signaling, transmitting group call, private call and all call with PTT ID becomes quite easy.



REPEATER MODE OPERATION

Utilize a DMR Tier II repeater to extend your communication range.



VOICE ANNOUNCEMENT (only for BD50X)

Channel number announcement helps you to switch channels quickly and correctly, even in operations with low visibility.



DUAL CAPACITY DIRECT MODE

In direct mode, you can have two voice calls simultaneously from DMR two time slots. This feature can be used to increase the radio capacity at no extra costs or frequency license.



VOX

This feature allows you to activate the radio microphone via your voices volume, and frees your hand from PTT.



SCANNING

Allow BD5 series listening to communication activities on other channels

ACCESSORIES

STANDARD ACCESSORIES





16cm



BL1506 1500mAh Li-ion battery



CH10I 23 BD5 standard drop-in single unit charger



RC08 Belt clip



RO03 Nylon hand strap



Power Adapter

input: 100-240VAC, output: 12VDC/1A

IJS/IJK/AIJ/FIJ/CHINA/JAPAN

OPTIONAL ACCESSORIES



FHM15 D-style earpiece with in-line PTT & MIC VOX switch



EHM18 C-style earpiece with in-line PTT & MIC VOX switch



Ear-bud with PTT on MIC VOX switch



Ear-bud with PTT on MIC VOX switch



EAM13 2-wire surveillance earniece

VOX switch



ACM-01 PTT&MIC-only with 3.5mm jack lp54



FS-01 Receive-only ear-bud



ES-02 Receive-only surveillance earpiece



Receive-only C style earpiece



FH-02 Receive-only earhook speaker



PC76 Data programming cable

BL2018

2000mAh Li-ion battery



SM08M3 Remote speaker microphone with 3 5mm audio iack



Remote speaker microphone In 54 with 2.5 mm audio iack



Universal nylon chest Pack







MCI 19 BD5 multi-unit charger



AN0435H13



Stubby antenna, 400-470MHz,



Vehicle adapter (Input: 11-25V DC, Output: 12V DC & 1A)

- ① SM26M1 can be used with earpieces EAS03,EHS17/18,ESS10.
- ② AN0435H13: 400-470MHz, 9cm AN0141H06: 136-147MHz, 17cm AN0167H06: 160-174MHz, 17cm AN0153H08: 147-160MHz/1575MHz, 12cm