



Hytera's BD305LF two-way radio is the compact device that provides professional communication 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.

SUCH THIN AND LIGHT

BD305LF just weighs 140g, quite comfortable and easily held. This pocket sized radio makes daily work communication simple and easy.

EXCELLENT PERFORMANCE

Excellent reception ability makes the talk range further extended. Good performance and negligible interference in digital mode provides stable communication.

RUGGED AND RELIABLE

BD305LF 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 16 hours in digital mode.

CLEAR VOICE

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



PROFESSIONAL AND SIMPLE TO USE

ANALOG & DIGITAL DUAL MODES

BD305LF 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.



ANALOG & DIGITAL AUTO DETECT

BD305LF 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, BD305LF in digital mode can work upto 16 hours in 5-5-90 mode.



CLEAR VOICE

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



RELIABLE AND DURABLE

BD305LF is compliant with MIL-STD-810 G and IP54.



ANTI-INTERFERENCE

Adopted digital encoding and error correcting module, BD305LF has the ability to avoid signal interference on the same frequency.



DMR DMR SIGNALING

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



REPEATER MODE OPERATION

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



(C) VOICE ANNOUNCEMENT

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

When using VOX earpiece, this feature allows you to activate the microphone via your voices volume, and frees your hand from PTT.



SCANNING

Allow BD305LF listening to communication activities on other channels.

ACCESSORIES

STANDARD ACCESSORIES



BL2202 2200mAh Li-ion Battery



BC16 Belt clip



RO03 Nylon hand strap



Power Adapter input: 100-240VAC, output: 5VDC/1A

US/UK/AU/EU/CHINA/JAPAN/KOREA

OPTIONAL ACCESSORIES



ACS-01 PTT&MIC-only with 3.5mm jack IP54



ES-01 Receive-only ear-bud



ES-02 Receive-only surveillance earpiece



EH-01 Receive-only C style earpiece



EH-02 Receive-only earhook speaker



EHS16 C-style Earpiece with in-line PTT & MIC



VOX earpiece coming soon



CH10L22 BD305LF Standard Drop-In Single Unit Charger



PV1002 Vehicle adapter (Input: 11-25V DC, Output: 5V DC & 1A)



Data programming cable









SPECIFICATION

		General
Frequency Range		UHF:446 MHz
Channel Capacity		48
Zone Capacity		3
Channel Spacing		25/12.5KHz
Operating Voltage		3.8V
Battery		2200mAh (Li-Ion)
Battery Life (5/5/90)		Analog/Digital: 12/16 hours (2200mAh)
Weight		140g (with AN0435H19 and BL2202)
Dimensions		101×49×26mm
Frequency Stability		± 0.5ppm
Antenna Impedance		50 Ω
	F	Receiver
Sensitivity (Digital)		0.22 μ V / BER 5%
Sensitivity (Analog)		0.22 μ V (Typical) (12dB SIN AD) 0.4 μ V (20dB SIN AD)
Adjacent Selectivity	ETSI	65dB @ 12.5KHz
Spurious Response Rejection	ETSI	65dB @ 12.5KHz
Inter-modulation	ETSI	60dB @ 12.5KHz
Hum & Noise		40dB @ 12.5KHz 45dB @ 25KHz
		0.5W
Rated Audio Power O	utput	0.5 **
Rated Audio Power O		≤5%

Transmitter		
RF Power Output	0.5W	
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	≤5%	
Digital Vocoder Type	AMBE++	
Digital Protocol	ETSI-TS102 361-1,-2,-3	
Environmental		
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	

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













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