



BD615 BUSINESS DIGITAL RADIO

A Rugged Radio for Harsh Environments



Hytera's BD615 two-way radio inherits the excellent performance of Hytera TC6 series of analogue products, that provides professional communication which is easily operated, rugged and reliable. Today, communication tools are the key to improved efficiency. When we ask for clear voice, it means wanting a reliable, easy to hear and understand source of communication. Long battery life helps you to maintain control. A rugged and robust device takes the worry out of communicating. High performance combined with a simple user interface helps ensure ease of use.

Hytera understands their customer's requirements and provides this all in one solution. 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, the BD615 has better performance than analogue radios. Excellent reception sensitivity means the effective range for communication can be extended. The BD615 DMR digital radio has no interference, providing a stable communication connection.

RUGGED AND RELIABLE

The BD615 features a bold two-colour designed and tested to meet Military Standards 810 G, including temperature shock, vibration, high & low temperature and humidity. The IP66 dust-and-water-proof design guarantees the devices reliability across different environments.

CLEAR VOICE

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



PROFESSIONAL AND SIMPLE TO USE

A/D ANALOGUE & DIGITAL DUAL MODES

BD615 can support analogue and digital modes on the same hardware. You can switch between two operation modes easily and it helps you to communicate with analogue radios.

EXTENDED TALK RANGE

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

LONG WORKING TIME

BD615 in digital mode can work up-to 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

BD615 is compliant with MIL-STD-810 G and IP66.

ANTI-INTERFERENCE

Adopted digital encoding and error correcting module, BD615 has the ability to avoid signal interference on the same frequency.

DMR DMR SIGNALLING

With DMR signalling, 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

Channel number announcement helps you to switch channels quickly and correctly, even in blindness operation.

VOX

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

SCANNING

Allow BD615 listening to communication activities on other channels.

ACCESSORIES

STANDARD ACCESSORIES					
					

OPTIONAL ACCESSORIES				
				

				
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① SM26M1 can be used with earpiece EAS03

② AN0435H13: 400-470MHz, 9cm AN0435W09: 400-470MHz, 16cm AN0414H06: 136-147MHz, 17cm AN0167H07: 147-160MHz, 17cm AN0167H07: 160-174MHz, 12cm AN0153H08: 147-160MHz/1575MHz, 12cm AN0160H13: 146-174MHz, 15cm AN0167H07: 160-174MHz/1575MHz, 12cm

SPECIFICATION

General		Transmitter
Frequency Range	UHF: 400-470 MHz; VHF: 136-174 MHz	RF Power Output VHF High power: 5W VHF Low power: 1W UHF High power: 4W UHF Low power: 1W
Channel Capacity	48	FM Modulation 11K0F3E @ 12.5kHz 16K0F3E @ 25kHz
Zone Capacity	3	4FSK Digital Modulation 12.5kHz Data Only: 7K60FXD 12.5kHz Data & Voice: 7K60FXW
Channel Spacing	25/12.5kHz	Conducted/Radiated Emission -36dBm <1GHz, -30dBm >1GHz
Operating Voltage	7.2V	Modulation Limiting ±2.5kHz @ 12.5kHz ±5.0kHz @ 25kHz
Battery	1500mAh (Li-Ion)	FM Hum & Noise 40dB @ 12.5kHz 45dB @ 25kHz
Battery Life (5/5/90)	Analogue/Digital: 11/17 hours (1500mAh)	Adjacent Channel Power 60dB @ 12.5kHz, 70dB @ 25kHz
Weight	240g	Audio Response +1 ~ -3dB
Dimensions	108x54x29mm	Audio Distortion ≤5%
Frequency Stability	±0.5ppm	Digital Vocoder Type AMBE+2™
Antenna Impedance	50Ω	Digital Protocol ETSI-TS102 361-1,-2,-3
Receiver		Environmental
Sensitivity (Digital)	0.22µV / BER 5%	Operating Temperature -30°C ~ +60°C
Sensitivity (Analogue)	0.22µV (Typical) (12dB SIN AD) 0.4µV (20dB SIN AD)	Storage Temperature -40°C ~ +85°C
Adjacent Selectivity	TIA-603	ESD IEC 61000-4-2 (Level 4) ±8kV (Contact) ±15kV (Air)
Spurious Response Rejection	TIA-603	Dustproof & Waterproof Ip66 Standard
Inter-modulation	TIA-603	Humidity Per MIL-STD-810 G Standard
Hum & Noise		Shock & Vibration Per MIL-STD-810 G Standard
Rated Audio Power Output	0.5W	
Rated Audio Distortion	≤3%	
Audio Response	+1 ~ -3dB	
Conducted Spurious Emission	<-57dBm	

BD615, X=0, 2, 5,6 or 8, model number varies geographically. For details, please contact our regional sales representatives.

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



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