Hytera

Business Two-way Radio

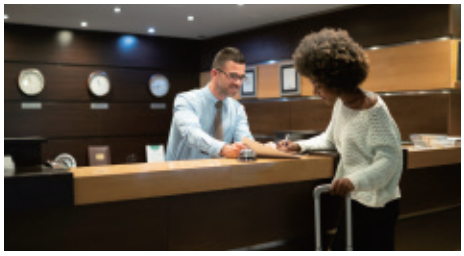
Function Meets Fashion

S1 Pro



www.hytera.com

Application Scenarios



Hotel



Golf Club



Mall

Specifications

General	
Model	HYT-S35
Frequency Range	400-470 MHz (Main Unit)
Channel Capacity	256
Zone Capacity	6 (Digital+Analog)
Channel Capacity per Zone	88
Channel Spacing	12.5kHz/20kHz/25kHz
Operating Voltage	3.8 V (Rated)
Battery	2200mAh Li-Polymer
Battery Life (5/5/90 Duty Cycle, TX Power)*	Digital: 16 hrs (3W), 17 hrs (2W), 18 hrs (1W)
Frequency Stability	±0.5ppm
Antenna Impedance	50Ω
Dimensions (HxWxD)	108*53*20mm (without antenna)
Weight (With battery and antenna)	145g (with belt clip) 135g (without belt clip)
Display	1.3 inch OLED
BT	BLE (only data) 5.0

Receiver	
Sensitivity	Analog: 0.18μV (12dB SINAD) Digital: 0.18μV
Adjacent Channel Selectivity	ETSI: 60dB@12.5kHz / 70dB@20/25kHz
Intermodulation	ETSI: 65dB@12.5/20/25kHz
Spurious Response Rejection	ETSI: 70dB@12.5/20/25kHz
Blocking	ETSI: 84dB
Hum&Noise	40dB@12.5kHz; 43dB@20kHz; 45dB@25kHz
Rated Audio Power Output	0.5W
Rated Audio Distortion	≤5%
Audio Response	+1 to -3dB
Conducted Spurious Emission	<-57dBm

Transmitter	
Power Output	400-470 MHz: 1W/2W/3W (low/medium/high)
FM Modulation	11K0F3E@12.5kHz 14K0F3E@20kHz 16K0F3E@25kHz
4FSK Digital Modulation	12.5kHz (only data): 7K60FXD 12.5kHz (V+D): 7K60FXW
Conducted/Radiated Emission	-36dBm＜1GHz;-30dBm＞1GHz
Modulation Limiting	±2.5kHz@12.5kHz; ±4.0kHz@20kHz; ±5.0kHz@25kHz
FM Hum&Noise	40dB@12.5kHz; 43dB@20kHz; 45dB@25kHz
Adjacent Channel Power	60dB@12.5kHz; 70dB@20/25kHz
Audio Response	+1 to -3dB
Audio Distortion	≤3%

* Data comes from Hytera labs. Actual battery life will vary.

Environment	
Operating Temperature	-10°C~ +55°C
Storage Temperature	-30°C ~ +70°C
ESD	±4kV (Contact) ±8kV (Air)

Accessories

● Standard ● Optional



● Antenna (400-440/430-470 MHz)



● Battery



● Belt clip



● Strap



● Antenna (9cm, 400-470 MHz)



● USB Type-C cable



● Multi-unit charger



● Earpiece



● Adapter

Hytera

30th 1993-2023

Stay True to Our Mission

30 years of radio communications, beyond.

1993
Shenzhen HYT Technology Co., Ltd. (as Hytera was formerly known) established in Shenzhen

1995
Launched the first self-developed commercial radio
— **C160**

2004
Launched the first radio with Chinese operating system
— **TC3600**

2010
Officially renamed as Hytera

2010
Launched the world's first PDT radio all over the world
— **PD78X**

2016
Launched the world's first ia intrinsically safe radio all over the world
— **PT79X Ex**

2017
Launched the world's first dual-mode radio all over the world
— **PDC760 (DMR&LTE)**

2022
Launched the world's first 5G XSecure Rugged Device all over the world
— **PNC560**

2023
Hytera serves 20 million users for public safety, firefighting, railway, airports, factories, hotels, supermarkets, and more industries home and abroad.

Hytera Respond & Achieve

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