



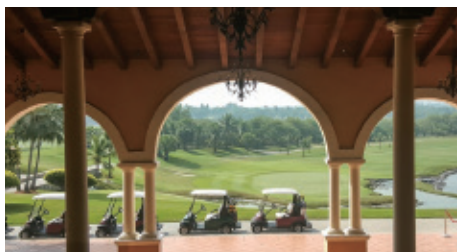
**Business  
Two-way Radio**  
Function Meets Fashion  
S1 Pro



## 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



Stay True to Our Mission

# 30 years of radio communications, beyond.

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

1993

1995

Launched the first self-developed commercial radio

— **C160**

Launched the first radio with Chinese operating system

— **TC3600**

2004

2010

Officially renamed as Hytera

Launched the world's first PDT radio all over the world

— **PD78X**

2010

2016

Launched the world's first ia intrinsically safe radio all over the world

— **PT79X Ex**

Launched the world's first dual-mode radio all over the world

— **PDC760 (DMR&LTE)**

2017

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.



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