

DHI-HY-SA21A-433

Wireless Smoke Alarm



- Dual photoelectric smoke sensing chamber technology
- Test and hush features in one single button
- Loud sound output over 85 dB(A) at 3 meters
- Low quiescent current consumption
- Surface-mount device (SMD) circuit board design
- Low battery warning signal



System Overview

Dahua Wireless Smoke Alarm provides battery-powered smoke detection and alarm functions within a single unit. Advanced electronics in conjunction with a photoelectric smoke sensing chamber provide early detection of smoke and high immunity against unwanted alarms. This kind of smoke alarm does not require a mains supply and is suitable for general residential applications. Timely notification of the smoke alarm can be displayed on DMSS App in real time.

Scene

Mainly applied for villas, shops, apartments, etc.

Technical Specification

Working Principle

Collection Type	Smoke
Sampling Period	60 s
Working Principle	Photoelectric

Alarm

Alarm Type	Smoke alarm, fault alarm, low battery alarm
Alarm Volume	85dB–90dB(A) at 3 m (9.84 ft)
Alarm Mode	Visual and audible alarm
Silencing Function	Yes

Basic Parameters

Indicator Light	Red and green LED indicator
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Led Instructions

Standby: Green indicator flashes once per minute
 Alarm: Red indicator flashes once per second
 Fault: Red indicator flashes once per minute

Power Supply

Battery Life	About 3 year
Operating Voltage	3V DC
Operating Current	Monitoring current: ≤ 15uA Alarm current: ≤ 35mA

Operating Ambient

Operating Environment	Indoor
Operating Temperature	-10°C to +55°C (+14°F to +131°F)
Operating Humidity	≤95% RH (non condensing)
Communication	433 MHz

Appearance

Color	White
Casing	ABS
Dimensions	φ98 mm × H43.1 mm (φ3.85" × H1.70")
Weight	140 g (0.30 lb)
Installation	Ceiling Mount

Certifications

Certifications	CE
Compliance Standard	EN 14604:2005

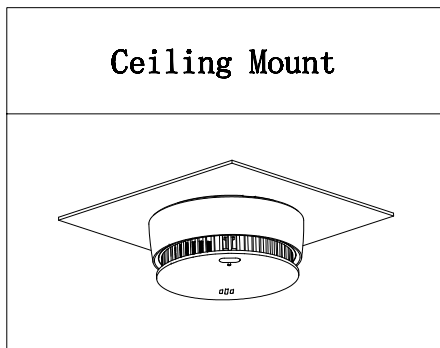
Wireless

Carrier Frequency	433.1 MHz–434.6 MHz
Communication Distance	Up to 1000 m (3280.84 ft) in an open space
Communication Mechanism	Two-way
Frequency Hopping	Yes
Encryption Mode	AES128

Ordering Information

Type	Part Number	Description
Smoke Alarm	DHI-HY-SA21A-433	Smoke Alarm

Installation



Dimensions (mm[inch])

