

Standalone Smoke alarm Release

2022.04

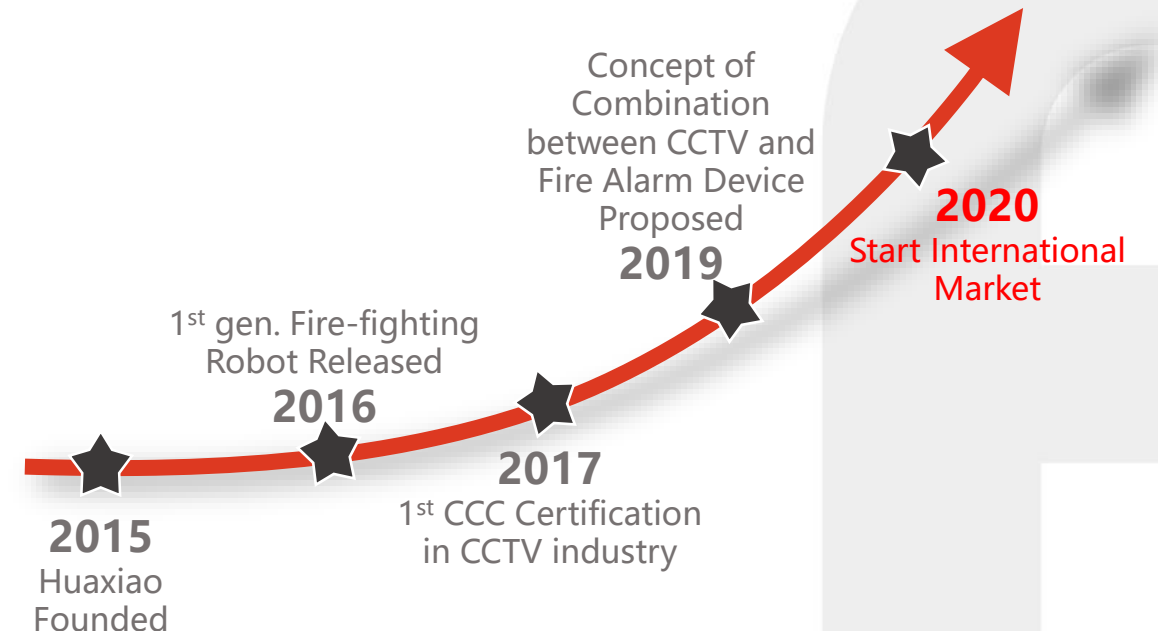
First Met with Wisualarm

Wisualarm = Wise IoT + Visual + Fire alarm

Huaxiao Technology (with the brand of Wisualarm) is a subsidiary of Dahua Technology, focusing on researching and developing advanced **fire alarm products with the combination of video and IoT techniques**. With the foundation of Dahua technology, we also have the technological advantages in different fields like video analysis, cloud computing, big data, smart IoT, etc.

Our website :

www.wisualarm.com/en

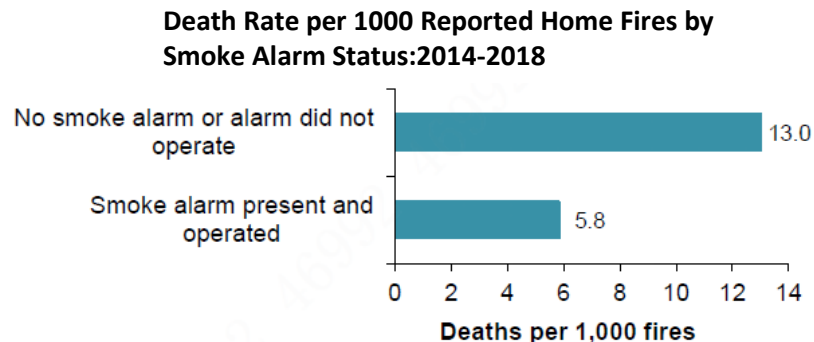


Why Smoke Alarms?

Smoke alarms **SAVE LIVES** !

In a fire, smoke and deadly gases tend to spread farther and faster than heat. That's one reason why most fire victims die from inhalation of smoke and toxic gases, not from burns.

A majority of fatal fires happen when **families are asleep** because occupants are unaware of the fire until there is not adequate time to escape. A smoke alarm stands guard around the clock, and when it first senses smoke, it sounds a shrill alarm. **This often allows a family the limited , but precious, time needed to escape.**



Almost three of every five home fire deaths resulted from fires in homes with no smoke alarms (41%) or no working smoke alarms (16%).

The death rate per 1,000 reported home fires was **MORE THAN TWICE** as high in homes that did not have any working smoke alarms compared to the rate in homes with working smoke alarms (13.0 deaths vs. 5.8 deaths per 1,000 fires).

*Data from National Fire Protection Association(NFPA)



Scope of EN approval

Smoke alarm devices are within the scope of the construction product regulation (CPR). An EC certificate of constancy of performance has to be issued by a notified body prior to selling the product on the European market. The harmonized standard for initial type testing and CE marking process is EN 14604:2005.

Value of CE-CPR mark

The surveillance process required by the CE-CPR scheme is an annual audit of the quality system of the factory. The marks are supposed to be an added value to the CE marking, distinguishing the **most qualitative products** on the market.



DHI-HY-SA20B

Dahua standalone 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 device does not require a mains supply and is suitable for general residential applications.



Split-spectrum chamber

Fewer false alarms based on split-spectrum sensing technology



85 dB(A) sound output

Sufficiently large sound output



Replaceable battery

Built-in battery can run for 5 years



Easy-using button

Test and hush by one single button



Insect proof

Protection against insects

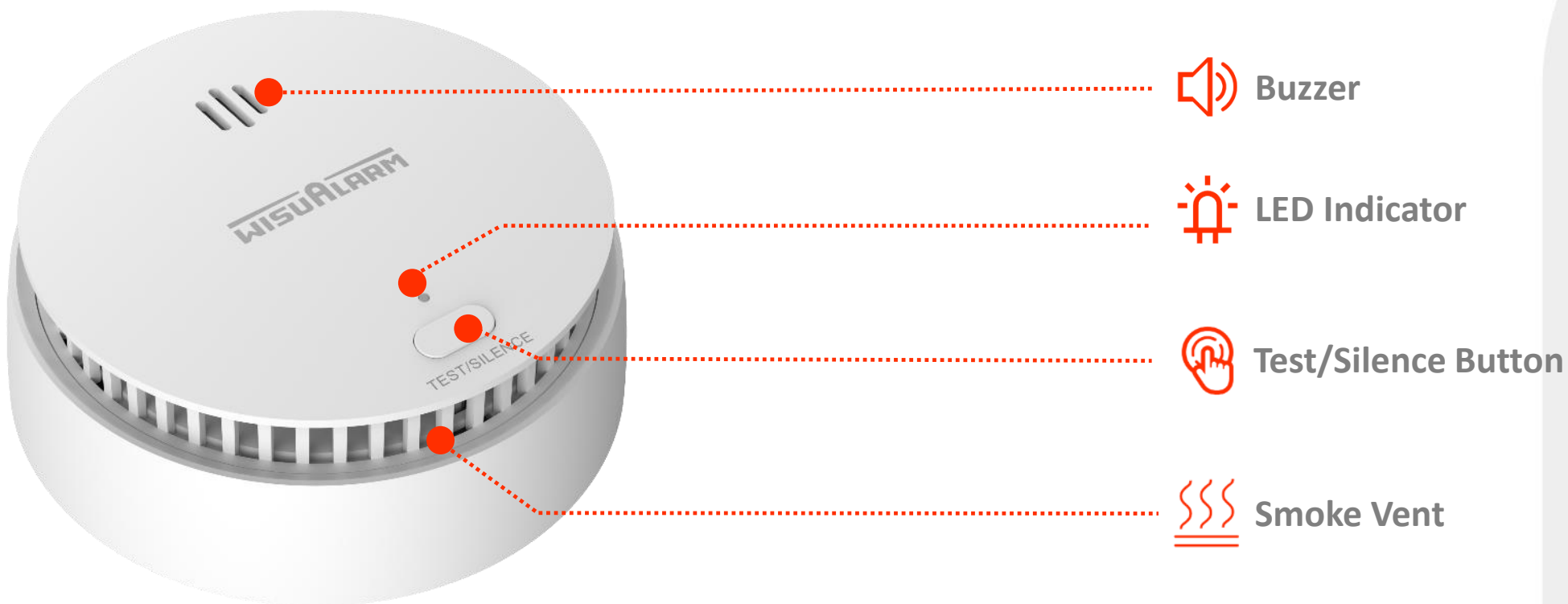


Water vapor proof

Fewer false alarms based on photoelectric chamber

Single Test/Hush Button and Apparent Indicator

Combine test and hush together in **one easy-press button**. When apparatus detects smoke, the alarm will be sent from the buzzer and the red LED indicator will flash.



Replaceable Lithium Battery

With 5-year battery, smoke alarm will provide you 24/7 protection.



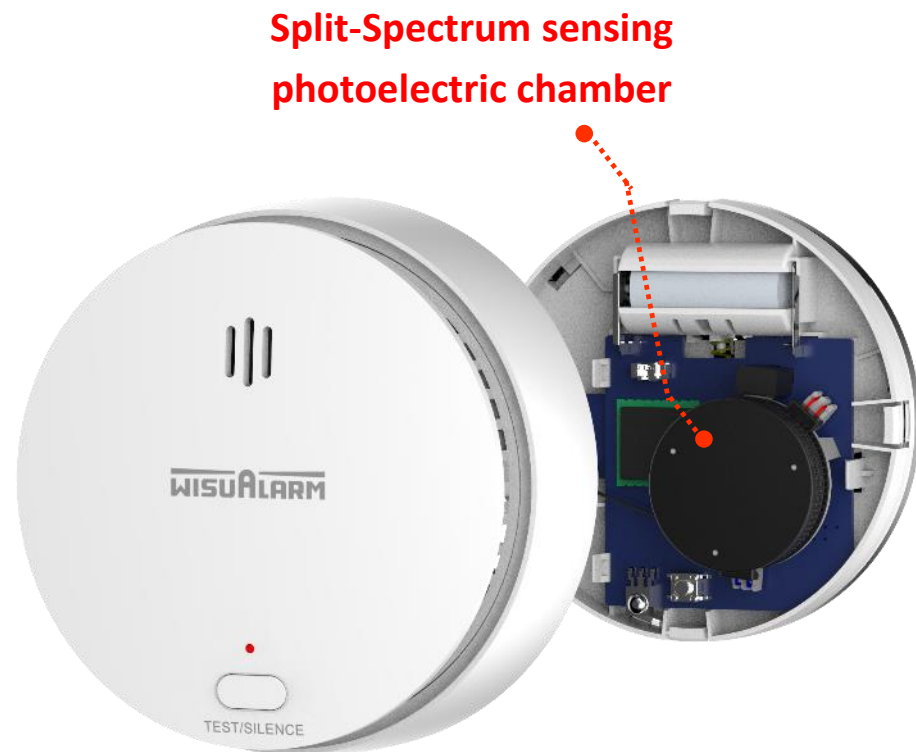
Sound output of 85 dB(A) at 3 meters

Over 85 dB(A) Siren

The smoke alarm has a sufficiently loud sound output

And it is able to notice you a potential fire hazard





Split-Spectrum Sensing Technology

With the advanced split-spectrum sensor, fewer false alarms by distinguishing smoke from vapor or dust

Various Scenarios in Residential Housing



Reading Room



Living Room



Villa, Apartment, Dorm
and vice versa



Bedroom



Basement

What do I have?



Smoke Alarm x1



Lithium Battery x1



Mounting Tape x1



QSG x1



Screw Package x1

Product Model

Item Number	External Model	Internal Model	Device Size
1.0.01.36.14881	DHI-HY-SA20B	DHI-HY-SA20B	Φ98 mm x 43.1 mm

The background is a vibrant orange with a complex geometric pattern of concentric arches and triangles. The Wisualarm logo is centered in the upper half, featuring the word 'WISUALARM' in a bold, white, sans-serif font. Below the logo, the tagline 'TECHNOLOGY FOR A SAFER WORLD' is written in a smaller, white, sans-serif font, flanked by two white vertical bars that resemble stylized brackets or signal markers.

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