



WISUALARM



SMARTER AND SAFER LIFE EXPERT

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ABOUT US

Wisualarm is advanced global manufacturer of fire safety products with features ready for home and professional for businesses, to protect people and property from fire and related hazards.

Wisualarm builds and grows upon the expertise of Dahua Technology, since its establishment in 2015, more than 60% of its employees engaged directly in the R&D, Wisualarm has been working hard to practice the concept of the combination of video and fire detection. Utilizing the cutting-edge split-spectrum smoke sensing technology and smart IoT technology, Wisualarm is committed to making the world a safer and smarter place to live.

Performance Research and Test

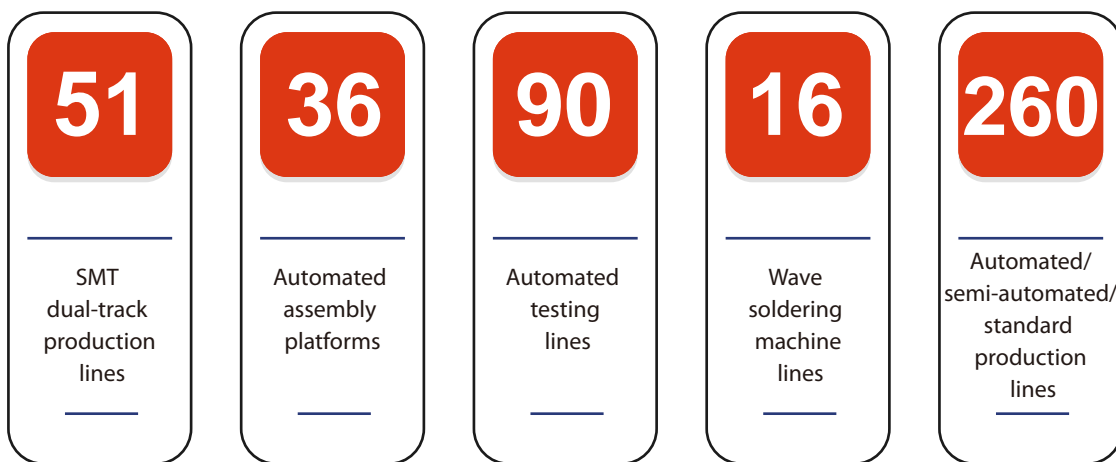
Wisualarm and Dahua Technology are equipped with an advanced engineering experiment center that covers an area of 5,000m². As a Zhejiang Key Laboratory, it consists of more than 30 laboratories – including EMC anechoic chamber, Highly Accelerated Life Testing (HALT) laboratory and device analysis laboratory – that focus on various fundamental researches and testing of materials, components, single boards and the entire machine itself. Its reliability test has also obtained a capability accreditation from the China National Accreditation Service (CNAS). Also, Wisualarm has the capability to do the fire and smoke simulation, and complete the accurate testing of smoke and heat fire detectors in the professional and cutting-edge test tunnels from Lorenz and AW technology.



- ① EMC Testing Capability
- ② Reliability Testing Capability
- ③ Safety Inspection Capability
- ④ Radio Frequency Research Capability
- ⑤ Fire and Smoke Simulation Capability
- ⑥ Antenna Research Capability
- ⑦ AW Technology Detector Test Tunnel
- ⑧ Lorenz EN-54 Smoke Test Tunnel

Intelligent Manufacturing

As the subsidiary company of Dahua Technology, the products of Wisualarm are all produced in the Dahua Smart (IoT) Industrial Park, which covers an area of 510 acres, divided into the 4500m² mold factory, 46000m² intelligent stock preparation warehouse, 26000m² PCBA factory, 10000m² dust-free module factory, 130000m² full-process automated factory, 200000m² warehousing and logistics and ORT lab. With the deep integration of advanced producing software such as SCP, APS, MES, PDM, all the products are produced under digital, visualized, traceable product control. More than 50 cutting-edge SMT dual-track production lines, 36 self-developed automated assembly platforms and 90 automated testing lines, which can improve the overall production efficiency and product quality.





4500m² Mold factory

Integrating mold development and manufacturing to provide high-precision products and services



46000m² Stock Preparation Warehouse

Achieving accurate material distribution and efficient management by using intelligent warehousing systems



26000m² PCBA factory

Accommodating the production of samples, small batches products and high-end products by equipped with more than 50 advanced SMT production lines



130000m² Full-process Automated Factory

Realizing flexible production of assembly, testing and packaging by featuring the independently developed automated production lines and the combination of machine vision cameras



200000m² Warehousing and Logistics Area

Process utilize an end-to-end integrated system management to greatly shorten the delivery time of finished products and improve customer satisfaction



STANDALONE PRODUCT SERIES

Standalone product series provide an all-round fire safety and health solution at home, including the detection of smoke, carbon monoxide (CO), natural gas, liquefied petroleum gas (LPG), abnormal heat and carbon dioxide (CO₂). With effortless setup and operation, the products can be easily installed and protect your families once unboxing.



Comprehensive Protection
for Residential Fire Safety
and Health



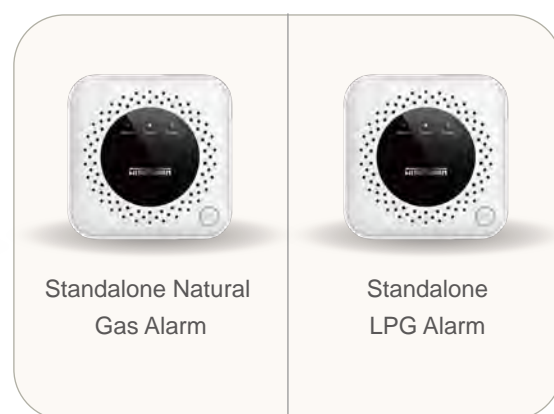
Accurate Detection Based on
Split-spectrum Technology
and Figaro Sensor



Sensitive Alarm and
Effective Notification



Including Long Battery
Life and Easy-to-Use
Plug-in Adaptor



DHI-HY-SA20A	DHI-HY-SA20B	DHI-HY-SA30A
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DHI-HY-GA40A	DHI-HY-GB40A
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Battery Life		
10 years	5 years	10 years

Power Source
DC 12V (power adaptor included)

Power Source	
Replaceable 3V CR123A lithium battery	Non-replaceable 3V CR123A lithium battery

Detection Type	
Natural gas / Methane	LPG / Mixture of propane and butane

Sensor Type
Split-spectrum photoelectric sensor

Sensor Type
Catalytic sensor

Safety Standard
EN 14604:2005+AC:2008, AS 3786:2014

Safety Standard
CE

Certification
TÜV, BSI, UKCA and CE listed

Alarm Sound Level
≥70 dB at 1 m (3 ft)

Alarm Sound Level
≥85 dB at 3 m (10 ft)

Silence Duration
45 seconds

Silence Duration
12 minutes

Warm-up Time
180 seconds

Silence by IR Remotes
Support

Indicator Light
LED (red/yellow/green)



10-year Replaceable Battery
Standalone Carbon
Monoxide Alarm

DHI-HY-GC20B

Power Source

**Replaceable 3V CR123A
lithium battery**

Battery Life

10 years

Sensor Type

Electrochemical sensor

Safety Standard

EN 50291-1: 2018+AC:2021

Certification

TÜV and CE listed

Alarm Sound Level

≥85 dB at 3 m (10 ft)

Silence Duration

45 seconds

Indicator Light

LED (red/yellow/green)



10-year Sealed Battery
Heat Alarm

DHI-HY-HT10A

Power Source

**Non-replaceable 3V CR123A
lithium battery**

Battery Life

10 years

Sensor Type

Thermistor

Safety Standard

BS 5446-2:2003

Certification

DBI and CE listed

Alarm Sound Level

≥85 dB at 3 m (10 ft)

Detection Class

Class A1 fire detection (54°C - 65°C)

Silence Function

Support



Air Quality Monitor
(Carbon Dioxide)

DHI-HY-M1

Power Source

**Built-in 2500 mAh
rechargeable lithium-ion battery**

Sensor Type

NIDR + Photoacoustic

CO₂ Measurement Range

400 ppm-5000 ppm

Temperature Measurement Range

0°C to +60°C (32°F to +140°F)

Humidity Measurement Range

0 -99% RH

Temperature Accuracy

± 0.5°C (± 32.9°F)

Humidity Accuracy

± 5% RH

Display

4.23 inch E-ink screen

WISULINK PRODUCT SERIES

The WisunLink product series consists of a wireless interconnected network of smoke alarms, heat alarms, carbon monoxide alarms and the wireless gateway that connects them all. A website portal and application on the cell phone are also the crucial components in order to provide the data visualization, fault indication and alarm notification for landlords and end users respectively.



Wireless Home Safety Network Based on 868MHz Radio Frequency



Interconnected up to 24 pcs Wireless Alarm Units



Long Transmission Distance and Wall-crossing Ability to Cover All the Rooms



Remote Data Management and Visualization

WisunLink



Wireless Interconnected Smoke Alarm

DHI-HY-SA30A-R8

Power Source

Sealed 3V CR123A lithium battery

Battery Life

10 years

Sensor Type

Split-spectrum photoelectric sensor

Safety Standard

EN 14604:2005+AC:2008, AS 3786:2014

Certification

TÜV, BSI, UKCA and CE listed

Operating Frequency

868 MHz

Maximum Number of Interconnection

24 pcs

Alarm Sound Level

≥85 dB at 3 m (10 ft)

Silence Duration

12 minutes

WisunLink



Wireless Interconnected Carbon Monoxide Alarm

DHI-HY-GC20B-R8

Power Source

Replaceable 3V CR123A lithium battery

Battery Life

7 years

Sensor Type

Electrochemical sensor

Safety Standard

EN 50291-1: 2018+AC:2021

Certification

TÜV and CE listed

Operating Frequency

868 MHz

Maximum Number of Interconnection

24 pcs

Alarm Sound Level

≥85 dB at 3 m (10 ft)

Silence Duration

45 seconds

WisunLink



Comming soon

Wireless Interconnected Heat Alarm

DHI-HY-HT10A-R8

Power Source

Sealed 3V CR123A lithium battery

Battery Life

10 years

Sensor Type

Thermistor

Safety Standard

BS 5446-2:2003

Certification

DBI and CE listed

Operating Frequency

868 MHz

Maximum Number of Interconnection

24 pcs

Alarm Sound Level

≥85 dB at 3 m (10 ft)

Detection Class

Class A1 fire detection (54°C - 65°C)

WisunLink



Comming soon

Wireless Gateway

DHI-HY-GW01A

Power Source

DC 5V Type-C power

Operating Frequency

868 MHz

Communication

TCP/IP (Ethernet)

Installation Postions

Free-standing/ Wall mounting



WI-FI PRODUCT SERIES

Wi-Fi Product Series provides smart home IoT solution for smoke detection and gas detection. Without any gateways, the alarms can be directly linked to your home Wi-Fi network and send real-time notifications via app in your cell phones.



Wi-Fi Smoke Alarm

DHI-HY-SA2FA

Power Source

Replaceable 3V CR123A lithium battery

Battery Life

2 years

Sensor Type

Split-spectrum photoelectric sensor

Safety Standard

EN 14604:2005+AC:2008, AS 3786:2014

Compatible App

Wisualarm

Operating Frequency

2.4 GHz

Alarm Sound Level

≥85 dB at 3 m (10 ft)

Silence Duration

12 minutes



Wi-Fi Natural Gas Alarm

WF1G

Power Source

DC 12V (power adaptor included)

Sensor Type

Catalytic sensor

Detection Type

Natural gas / Methane

Safety Standard

CE

Compatible App

ImouLife / Wisualarm

Operating Frequency

2.4 GHz

Alarm Sound Level

≥70 dB at 1 m (3 ft)

Silence Duration

45 seconds

AI-FIRE PRODUCT SERIES

AI-Fire product series offer the cost-effective solution of combination between fire alarm products and CCTV cameras for linking the video stream with fire alarm signals to help users become labor-saving for fire alarm inspection or offer a convenience for them to do analysis after fire.



Smoke Sensing Network Camera

DHI-HY-SAV849HAP-E
DHI-HY-SAV849HAN-E

Product Function

Flame Detection + Smoke Sensing + Video Linkaget

Power Source

DC 12V / PoE and 3V CR123A lithium back-up battery

Smoke Sensor Type

Split-spectrum photoelectric sensor

Camera Field of View

Horizontal: 144°; Vertical: 92°; Diagonal: 179.6°

Camera Image Sensor

1/2.7" CMOS, 2.0mm focal length, wide angle

Safety Standard

EN 14604:2005+AC:2008, AS 3786:2014, CE, FCC

Certification

TÜV and CE listed

Alarm Sound Level

≥85 dB at 3 m (10 ft)



Smoke Sensing Network Camera Plus

DHI-HY-SAV849HAP-ET
DHI-HY-SAV849HAN-ET

Product Function

Flame Detection + Temperature Detection + Humidity
Detection + Smoke Sensing + Video Linkage

Power Source

DC 12V / PoE and 3V CR123A lithium back-up battery

Smoke Sensor Type

Split-spectrum photoelectric sensor

Camera Field of View

Horizontal: 144°; Vertical: 92°; Diagonal: 179.6°

Measurement Range and Accuracy

Temperature: -20 °C ~ 120°C, ±1°C
Humidity: 5 %RH ~ 95 %RH, ±5 %RH

Camera Image Sensor

1/2.7" CMOS, 2.0mm focal length, wide angle

Safety Standard

EN 14604:2005+AC:2008, AS 3786:2014, CE, FCC

Alarm Sound Level

≥85 dB at 3 m (10 ft)

AI-FIRE PRODUCT SERIES



Flame Detection Network Camera

DHI-HY-FT121LDP
DHI-HY-FT121LDN

Product Function
Flame and abnormal temperature detection based on thermal sensor
Power Source
DC 12V / PoE
Sensor Type
Visible sensor and thermal sensor
Image
Visible image only

Maximum Resolution
2MP
Detection Angle
Horizontal: 90°, Vertical: 67.5°
Detection Range
Up to 10 meters
Safety Standard
CE, FCC



Flame Detection Network Camera Pro

DHI-HY-FT431LD

Product Function
Flame and abnormal temperature detection based on thermal sensor
Power Source
DC 12V / PoE
Sensor Type
Visible sensor and thermal sensor
Image
Visible and thermal image

Maximum Resolution
4MP
Detection Angle
Horizontal: 90°, Vertical: 67.5°
Detection Range
Up to 10 meters
Safety Standard
CE, FCC

WISUALARM

「Smarter and Safer Life Expert」

*Design and specifications are subject to change without notice.

WISUALARM TECHNOLOGY

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