

WISUALARM
by dahua



PRODUCT CATALOG

2022 V1.0

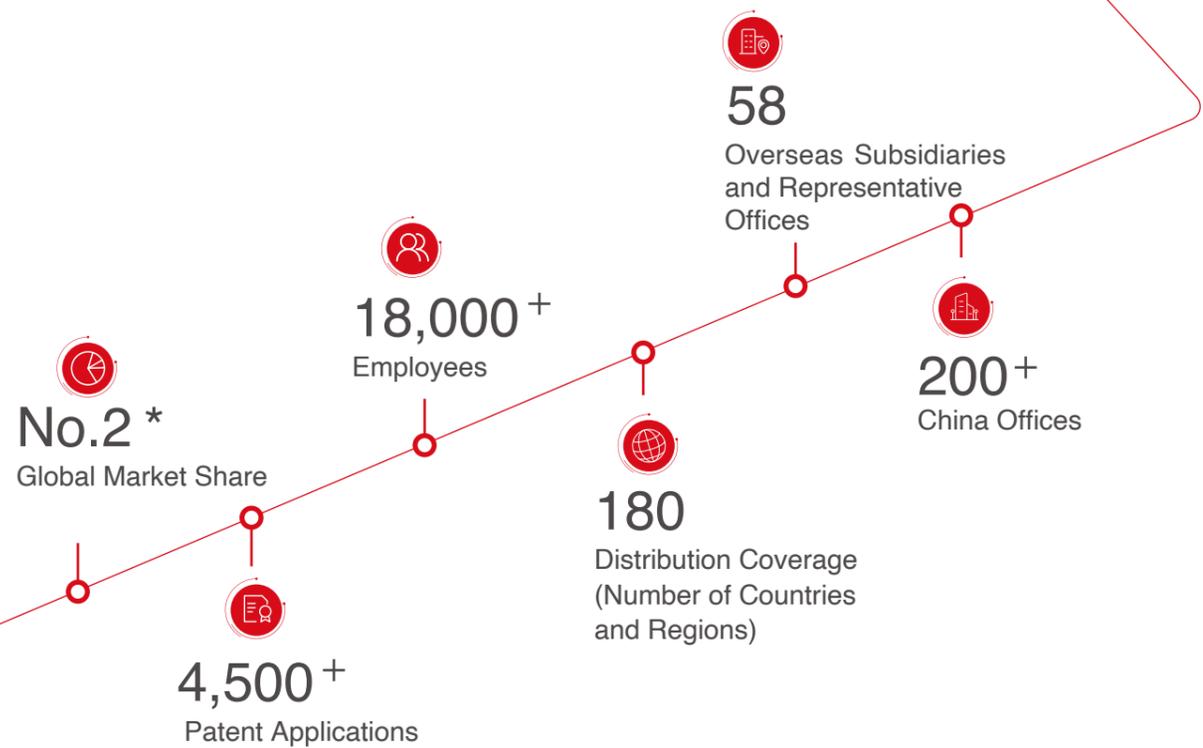
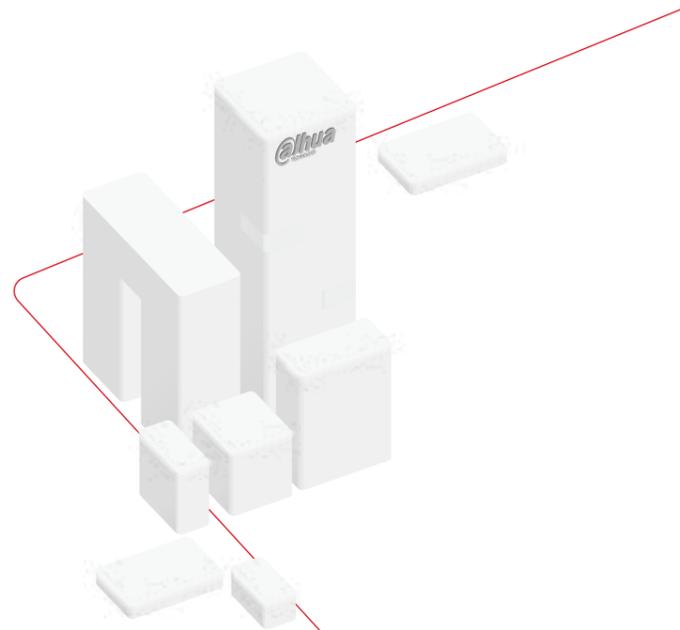
CATALOG

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ABOUT **dhua** TECHNOLOGY

Zhejiang Dahua Technology Co., Ltd. (Dahua Technology) is a world-leading video-centric smart IoT solution and service provider. The company has more than 18,000 employees, of which over 50% are engaged in R&D. The product distribution covers 180 countries and regions. Dahua Technology has been continuously focusing on customer service to build an open and fully linked technology system. It comprehensively expands the application and depth of IoT data in both city-level and corporate-level markets, providing one-stop smart IoT services and solutions for the digital transformation of cities, enterprises and homes. Utilizing its in-depth insight and layout of smart IoT, the company continues to explore new domains by expanding into machine vision, robotics, video collaboration, smart drone, smart fire safety, automotive technology, smart storage, smart security check, smart display and control, smart control and other fields.



* Source: Omdia 2021 Video Surveillance Analytics Market Share Database

HISTORY

- 2001**
Founding of Dahua Technology, entering the field of video surveillance
- 2002**
Dahua Technology releases the world's first 8-channel real-time embedded DVR
- 2003**
Dahua Technology begins expansion to the overseas market
- 2007**
Dahua Technology releases embedded intelligent All-in-One Toll Gate Traffic Camera, which is adopted as the e-policing standard in China
- 2008**
IPO on the Shenzhen Stock Exchange on May 20th, 2008
- 2010**
 - Dahua Technology adopts CMOS technology and releases HD high zoom ratio camera module
 - Establishes the first national post-doctoral research station in China security industry
 - Establishes CMS security service company
- 2012**
Dahua Technology launches its in-house HDCVI technology, which is adopted by the HDcctv Alliance and becomes the first international standard in the domestic industry
- 2013**
Dahua Technology develops hardware-software integrated embedded surveillance management platform, considerably simplifying the deployment and maintenance of surveillance systems
- 2014**
 - Dahua Technology adopts cloud technology
 - Enters the consumer security market by establishing the Imou brand
 - Founding of its first overseas subsidiary in the USA
- 2016**
Dahua Technology obtains CMMI Level 5 certification, solidifying a world-leading position in software development capabilities
- 2017**
Dahua Smart (IoT) Industrial Park begins production
- 2018**
 - Dahua Technology releases new smart city framework
 - Europe supply center begins operations
- 2019**
 - Dahua Technology releases AIOT and SDTV strategies
 - Dahua Technology launches GAIA Big Data Platform
- 2020**
Set up 8 domestic regional software development centers to accelerate its software development and implementation
- 2021**
Dahua Think# strategy release
- Future**
Dahua Technology will continuously provide smart IoT solutions and services based on its core competency in video and AI technology



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

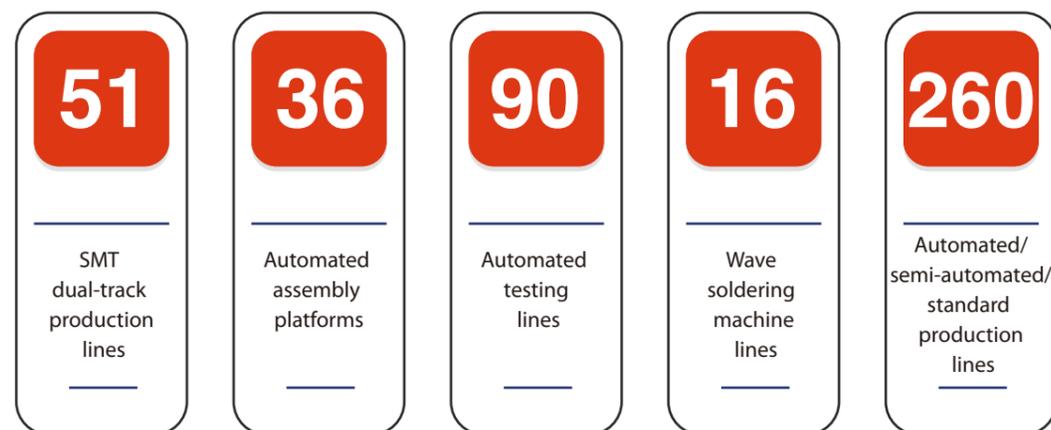
⑥ Antenna Research Capability

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.



4500 Square Meters Mold factory

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



46000 Square Meters Stock Preparation Warehouse

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



26000 Square Meters 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

Global Supply Capability

Based on Dahua information system and integrated planning system, product supply and service response capabilities of Wisualarm are improved by enabling efficient linkages between design, procurement, production, sales, and service. The firm has constructed regional supply centers in Hungary, Mexico, and other countries, as well as regional HUB warehouses in its key logistics distribution cities like the Netherlands and Dubai, providing a multilayer supply network.



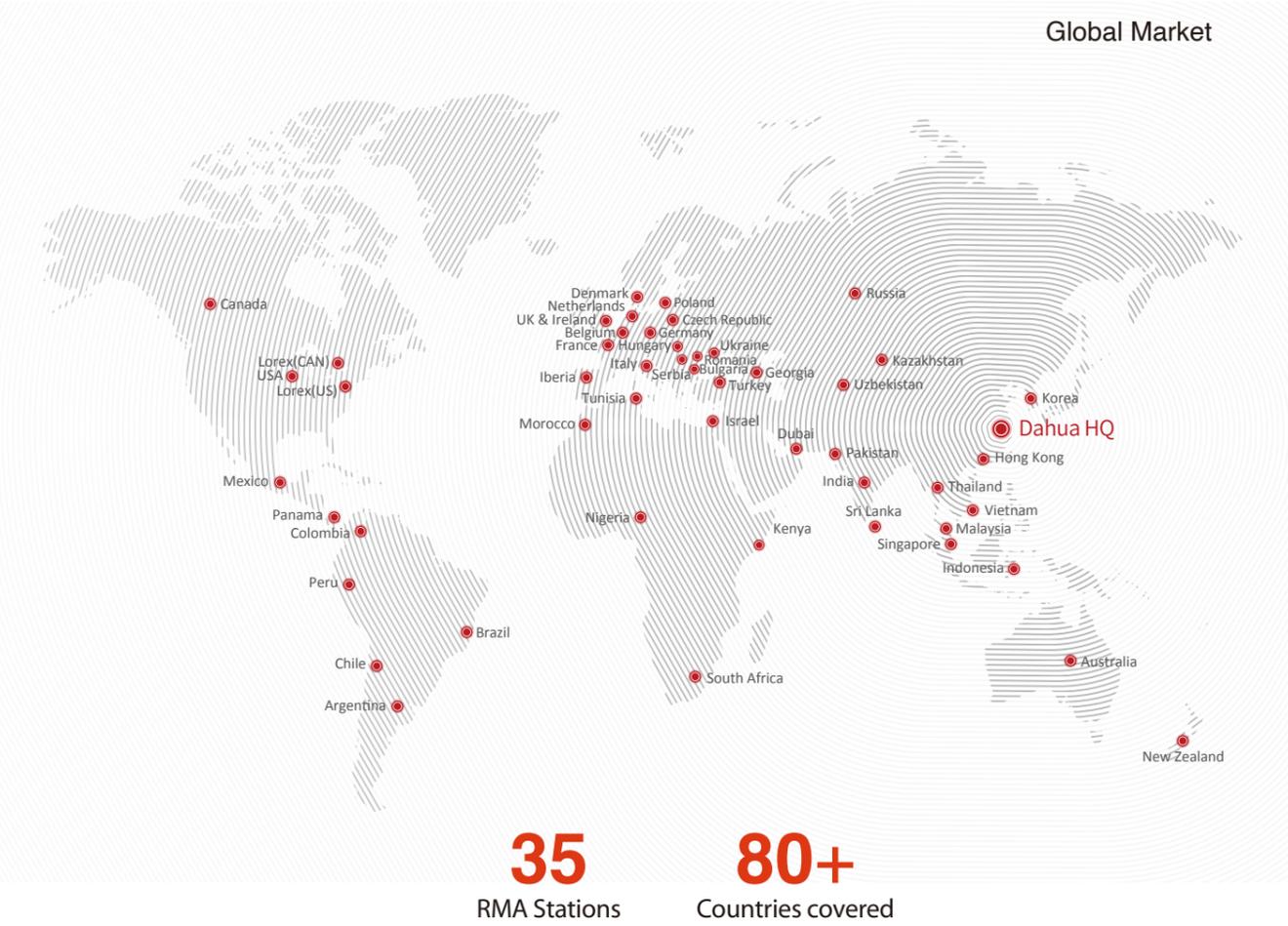
Smart IoT Manufacturing Park

Hungary Supply Center

Mexico Supply Center

Global Service Network

Based on Dahua Technology, Wisualarm can use 35 RMA stations all over the world, the product service network will cover more than 80 countries, which offers a multi-dimensional service network of headquarters, branch offices, and authorized service stations to users all over the world, with the goal of improving service experience, user perception, and overall satisfaction.



Certifications



Certifications



Communication





Standalone Smoke Alarm

DHI-HY-SA20A
DHI-HY-SA20B

Power Source :	3V CR123A lithium battery
Battery Life :	10 years: DHI-HY-SA20A / 5 years: DHI-HY-SA20B
Sensor Type :	Split-spectrum photoelectric sensor
Safety Standard :	EN 14604:2005+AC:2008, AS 3786:2014
Certification :	TUV and CE Listed
Standby Current :	≤15 μA
Alarm Current :	≤35 mA
Alarm Sound Level :	≥85 dB at 3 m (10 ft)
Silence Duration :	12 minutes
Operating Ambient Temperature :	-10 °C to +55 °C (+14 °F to +131 °F)
Operating Relative Humidity :	≤ 95% RH (non-condensing)
Product Weight :	136 g (0.30 lb)
Product Dimensions :	φ98 mm × H43.1 mm (φ3.85" × H1.70")
Package Contents :	1 × Smoke Alarm + 1 × Mounting Bracket + 2 × Screws + 2 × Anchor Plugs + 1 × Mounting Tape + 1 × User Manual



Wireless Smoke Alarm

DHI-HY-SA21A-W2

DHI-HY-SA21A-W2 (868)

Power Source :	Replaceable 3V CR123A lithium battery
Battery Life :	3 years
Sensor Type :	Split-spectrum photoelectric sensor
Safety Standard :	EN 14604:2005+AC:2008, AS 3786:2014
Certification :	TUV and CE Listed
Operating Frequency :	433 MHz : DHI-HY-SA21A-W2 / 868 MHz : DHI-HY-SA21A-W2 (868)
Standby Current :	≤35 μA
Alarm Current :	≤35 mA
Alarm Sound Level :	≥85 dB at 3 m (10 ft)
Silence Duration :	12 minutes
Operating Ambient Temperature :	-10 °C to +55 °C (+14 °F to +131 °F)
Operating Relative Humidity :	≤ 95% RH (non-condensing)
Product Weight :	140 g (0.30 lb)
Product Dimensions :	φ98 mm × H43.1 mm (φ3.85" × H1.70")
Package Contents :	1 × Smoke Alarm + 1 × Mounting Bracket + 2 × Screws + 2 × Anchor Plugs + 1 × Mounting Tape + 1 × User Manual



Comming Soon

Wi-Fi Smoke Alarm

DHI-HY-SA2FA



Power Source :	Replaceable 3V CR123A lithium battery
Sensor Type :	Split-spectrum photoelectric sensor
Safety Standard :	EN 14604:2005+AC:2008, AS 3786:2014
Certification :	TUV and CE Listed
Alarm Sound Level :	≥85 dB at 3 m (10 ft)
Silence Duration :	12 minutes
Wireless Frequency :	2.4 GHz
App :	Dahua DMSS / Wisualarm (Android and iOS supported)
Wireless Protocol :	IEEE 802.11b/g/n
Operating Ambient Temperature :	-10 °C to +55 °C (+14 °F to +131 °F)
Operating Relative Humidity :	≤ 95% RH (non-condensing)
Product Weight :	140 g (0.30 lb)
Product Dimensions :	φ98 mm × H43.1 mm (φ3.85" × H1.70")
Package Contents :	1 × Smoke Alarm + 1 × Mounting Bracket + 2 × Screws + 2 × Anchor Plugs + 1 × Mounting Tape + 1 × User Manual



4-wire Non-addressable Smoke Detector

DHI-FAD201A

Power Source :	DC 9V – DC 15V
Sensor Type :	Photoelectric sensor
Alarm Output :	NO relay output
Standby Current :	≤2 mA
Alarm Current :	≤30 mA
Operating Ambient Temperature :	-10 °C to +55 °C (+14 °F to +131 °F)
Operating Relative Humidity :	≤ 95% RH (non-condensing)
Product Weight :	120 g (0.26 lb)
Product Dimensions :	103 mm × 104 mm × 46 mm (4.06" × 4.09" × 1.81")
Safety Standard :	CE
Package Contents :	1 × Smoke Detector + 1 × Mounting Bracket + 2 × Screws + 2 × Anchor Plugs + 1 × User Manual



Standalone Carbon Monoxide Alarm

DHI-HY-GC20B

Power Source :	Replaceable 3V CR123A lithium battery
Battery Life :	5 years
Sensor Type :	Electrochemical
Alarm Sound Level :	≥85 dB at 3 m (10 ft)
Standby Current :	≤20 μA
Alarm Current :	≤10 mA
Operating Ambient Temperature :	-10 °C to +40 °C (+14 °F to +104 °F)
Operating Relative Humidity :	≤ 95% RH (non-condensing)
Indicator Light :	LED (red/yellow/green)
Safety Standard :	EN 50291-1: 2018+AC:2021
Certification :	TUV and CE Listed
Product Weight :	136 g (0.30 lb)
Product Dimensions :	φ98 mm × H43.1 mm (φ3.85" × H1.70")
Package Contents :	1 × Carbon Monoxide Alarm + 1 × Mounting Bracket + 2 × Screws + 2 × Anchor Plugs + 1 × User Manual



Standalone Natural Gas Alarm Standalone LPG Alarm

DHI-HY-GA40A
DHI-HY-GB40A

Power Source:	DC 12V (power adaptor included)
Sensor Type:	Catalytic
Gas Type:	Natural gas (methane): DHI-HY-GA40A LPG (propane): DHI-HY-GB40A
Power Consumption:	≤ 0.8 W
Warm-up Period:	180 s
Alarm Sound Level:	≥70 dB at 1 m (3 ft)
Operating Ambient Temperature:	-10 °C to + 55°C (+14°F to +131°F)
Operating Relative Humidity:	≤ 95% RH (non-condensing)
Safety Standard:	CE
Indicator Light:	LED (red/yellow/green)
Product Weight:	110 g (0.24 lb)
Product Dimensions:	86.5 mm × 86.5 mm × 29.4 mm (3.41" × 3.41" × 1.16")
Package Contents:	1 × Gas Alarm + 1 × Mounting Bracket + 2 × Screws + 2 × Anchor Plugs + 1 × User Manual



Comming Soon

Wi-Fi Natural Gas Alarm

WF1G



Power Source :	DC 12V (power adaptor included)
Sensor Type :	Catalytic
Gas Type :	Natural gas (methane)
Warm-up Period :	180 s
Alarm Sound Level :	≥70 dB at 1 m (3 ft)
Wireless Frequency :	2.4 GHz
App :	ImouLife / Wisualarm (Android and iOS supported)
Wireless Protocol :	IEEE 802.11b/g/n
Operating Ambient Temperature :	-10 °C to + 55°C (+14°F to +131°F)
Operating Relative Humidity :	≤ 95% RH (non-condensing)
Safety Standard :	CE
Product Weight :	LED (red/yellow/green)
Product Dimensions :	86.5 mm × 86.5 mm × 29.4 mm (3.41" × 3.41" × 1.16")
Package Contents :	1 × Gas Alarm + 1 × Mounting Bracket + 2 × Screws + 2 × Anchor Plugs + 1 × User Manual



AI-Fire Smoke Sensing Network Camera

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

Product Function:	Flame detection + smoke sensing + video linkage
Power Source:	DC 12V / PoE and 3V CR123A lithium back-up battery
Smoke Sensor Type:	Split-spectrum photoelectric sensor
Smoke Alarm Sound Level:	≥85 dB at 3 m (10 ft)
Camera Field of View:	Horizontal: 144°; Vertical: 92°; Diagonal: 179.6°
Camera Image Sensor:	1/2.7" CMOS, 2.0mm focal length, wide angle
Camera Maximum Resolution:	2592 (H) x 1944 (V), 5MP
Product Port:	1 audio input, 1 audio output, 2 alarm input, 2 alarm output, 1 RS 485
Safety Standard:	CE, FCC, EN 14604 (in process) , AS 3786 (in process)
Operating Ambient Temperature:	-10 °C to +55 °C (+14 °F to +131 °F)
Operating Relative Humidity:	≤ 95% RH (non-condensing)
Product Weight:	442 g (0.98 lb)
Product Dimensions:	Φ120 mm × 79 mm (Φ4.72" × 3.11")
Package Contents:	1 × Smoke Sensing Camera + 1 × Mounting Bracket + 2 × Screws + 2 × Anchor Plugs + 1 × User Manual

WISUALARM

「Smarter and Safer Life Expert」

*Design and specifications are subject to change without notice.

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YouTube



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Wisualarm Website



Website