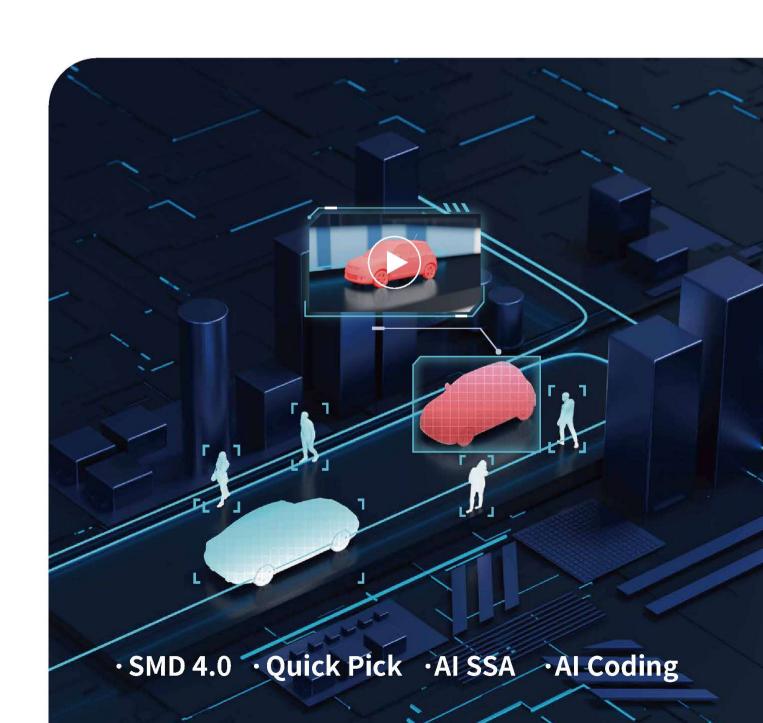


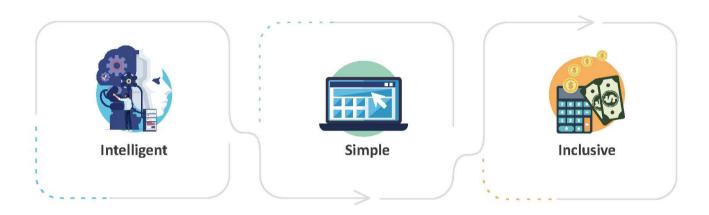
Wiz Sense

Focus on human and vehicle

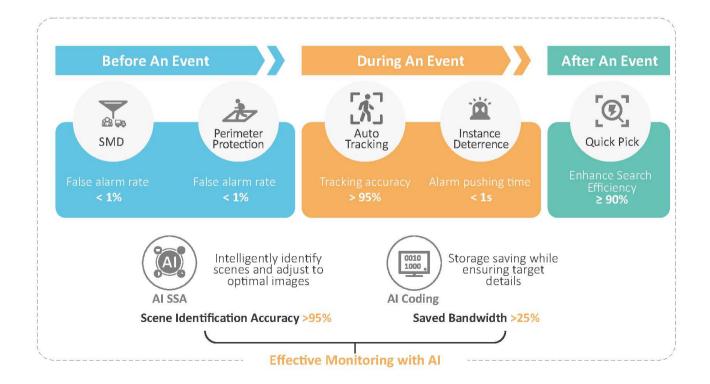


Wiz Sense

- Dahua WizSense is a series of wide range Al products and solutions that adopt independent Al chip and deep learning algorithm.
- WizSense focuses on human and vehicle, benefiting everyone with intelligent functions, simple configuration and inclusive products.



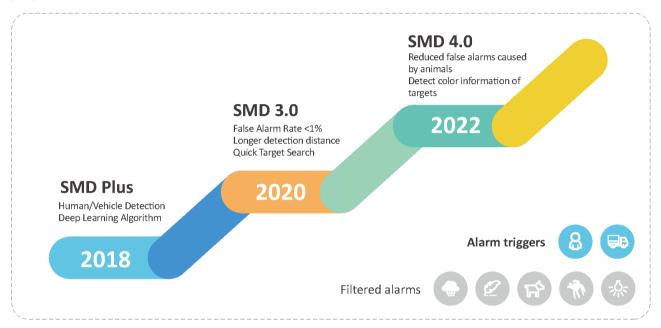
What can Dahua WizSense provide you?



Before an Event: Accurate Prediction

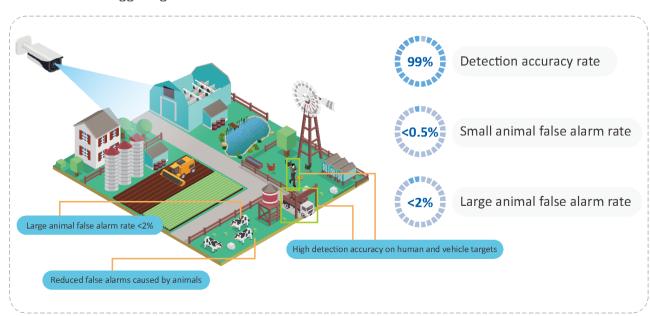


Dahua Technology developed the Smart Motion Detection (SMD) technology to differentiate human and vehicle targets in the scene and send accurate alarms to help ensure the safety of users and their properties.



SMD 4.0: Reduces false alarms caused by animals

With upgraded AI capabilities, the SMD function filters out irrelevant objects in the scene. Equipped with new deep learning algorithm, SMD 4.0 is optimized to filter out small and large animals in the scene to avoid triggering false alarms.

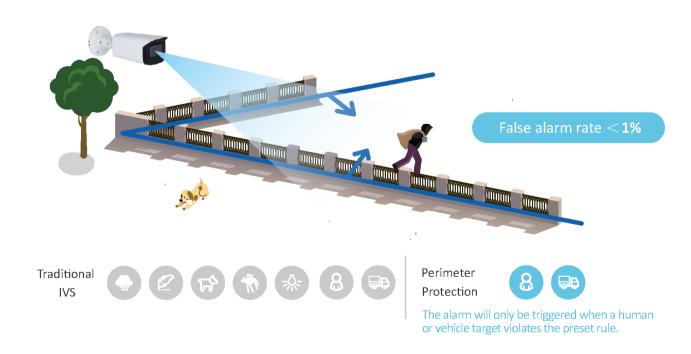


SMD Comparison

	SMD 3.0	SMD 4.0
Detection accuracy rate (Human & Vehicle)	99%	99%
Human detection distance	IPC: Up to 12m (2.8mm fixed-focal camera) PTZ: Up to 400m (day) / 130m (night) (4.8-154mm vari-focal camera)	IPC: Up to 12m (2.8mm fixed-focal camera) PTZ: Up to 400m (day) / 130m (night) (4.8-154mm vari-focal camera)
Vehicle detection distance	IPC: Up to 18m (2.8mm fixed-focal camera) PTZ: Up to 1800m (day) / 130m (night) (4.8-154mm vari-focal camera)	IPC: Up to 18m (2.8mm fixed-focal camera) PTZ: Up to 1,800m (day) / 130m (night) (4.8-154mm vari-focal camera)
Small animals (cat, dog)	< 1%	1 < 0.5%
Large animals (cattle, horse, sheep, deer)	< 5%	> < 2%
Quick Pick		Supported

Perimeter Protection

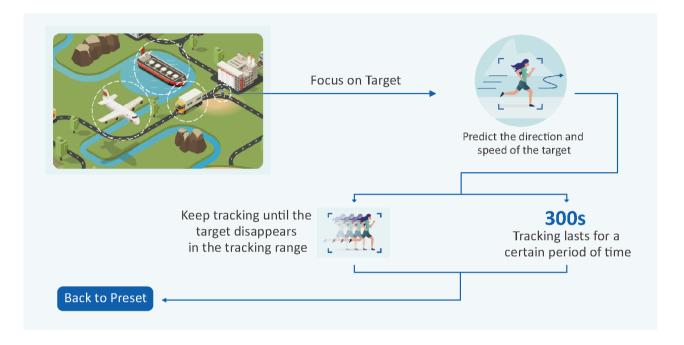
The perimeter protection function based on tripwire and area intrusion sends an alarm only when unwanted movements triggered by human or vehicle targets occur, saving users from unnecessary actions caused by false alarms.



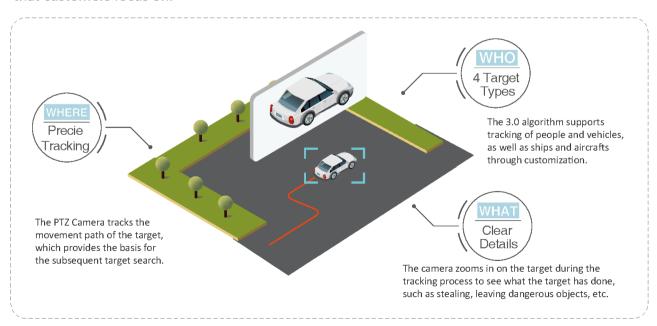
During and Event: Auto Tracking & Active Deterrence

Auto Tracking 3.0

When a target triggers the IVS rule, the camera uses the rotation (horizontal and vertical) and zoom features to lock the moving target in the center of the screen. Its Al algorithm then predicts the direction and speed of the target to continuously track the target in the scene.



With Auto Tracking 2.0 algorithm as its foundation, the Auto Tracking 3.0 offers both upgraded software and hardware. The tracking performance has significantly improved in all three areas that customers focus on.



Active Deterrence

Actively warns off intruders once they have been detected to significantly reduce the probability of any incident from happening.

Alerts users with a real-time push notification that shows trigger type (human or vehicle), and enables users to easily verify alarms through captured videos.



One Click Arming & Disarming

This feature offers a newly-added disarming option for the siren and warning light of the camera. It is also available on the DMSS app, making it easy and convenient for end-users.



During or After an Event: Quick Pick

[Q Quick Pick

The Dahua Quick Pick technology can quickly identify human/vehicle targets of interest, which optimizes the search for relevant SMD events. With excellent integration of intelligent functions of both cameras and recorders, this feature can search human/vehicle targets based on Al algorithm that can extract and compare clothing and vehicle colors.



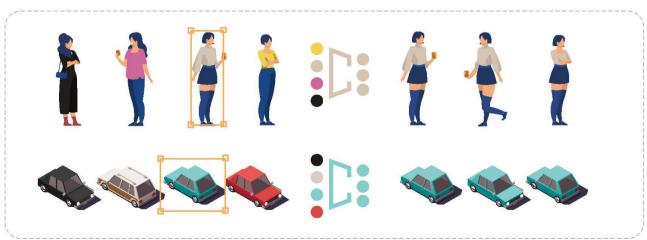
Reduction of Manual Checking

Quick Pick simplifies search steps to save time and costs. It lets you automate what was once a several-hour manual effort.



Filter Irrelevant Human/Vehicle Targets

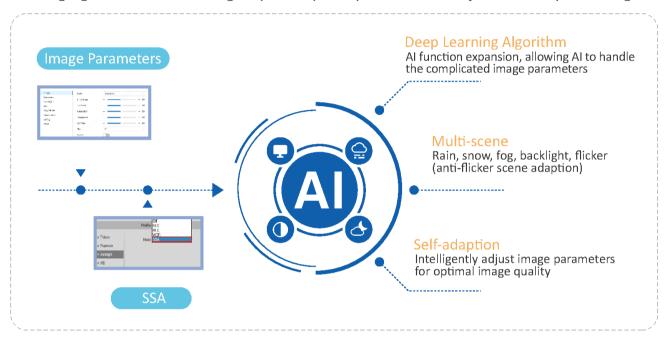
Based on Al algorithm that can extract and compare colors of clothing and vehicles, the Quick Pick function can filter out irrelevant human/vehicle targets. It helps users focus on the targets of interest and find useful information with higher accuracy.



Effective Monitoring with Al

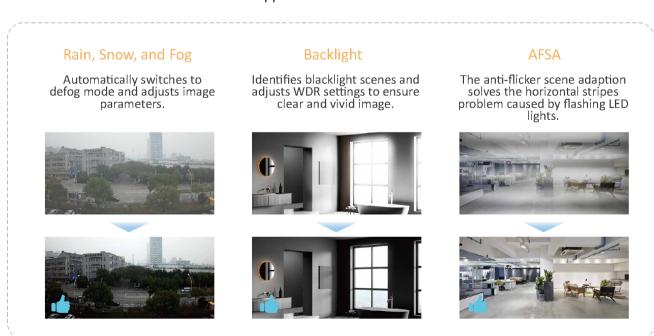


With the continuous development of video surveillance and AI, the demand for images with higher quality is also increasing. The Dahua AI SSA (Scene Self-adaption) technology is based on deep learning algorithm that can intelligently identify multiple scenes and adjust to their optimal images.



Multi-scene

Al SSA can identify multiple scenes such as rain, snow, fog, backlight and flicker, making the camera suitable for more indoor and outdoor application scenarios.



Self-adaption

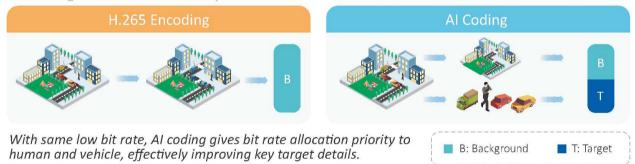
Based on the scene condition, AI SSA will adjust the image parameters such as exposure, lightness, or other specific image features to capture the highest quality images.



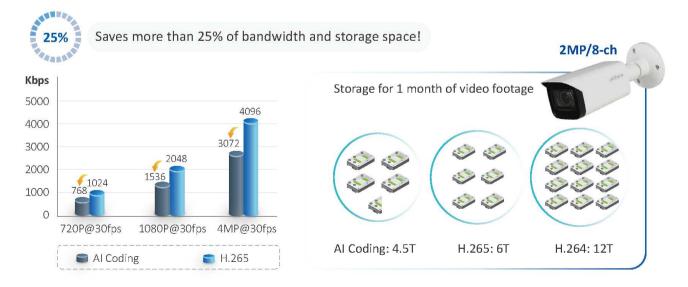
Al Coding (IP Solution)

With the improvement of monitoring resolution, how to maintain image quality while saving storage cost has become one of the most concerning problems of users. Based on CBR (Constant Bit Rate), WizSense Al Coding dynamically allocate bit rate, providing clear target images while saving more than 25% bit rate compared with H.265.

*Al Coding function is enabled by default.

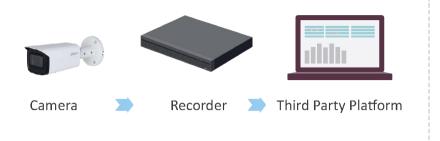


Save Storage Space while Ensuring the Image Quality of Targets



High Compatibility

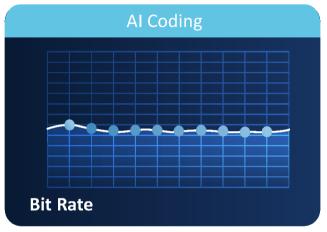
Through CBR (Constant Bit Rate), AI Coding does not lose its decoding compatibility when integrated with third-party players or platforms.



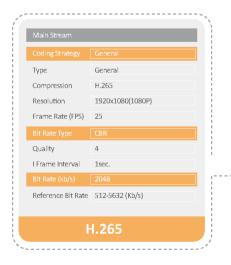
High Stability



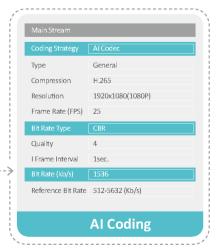
VBR (Variable Bit Rate) has high burstiness, which makes it difficult to calculate the required bandwidth.



Makes it easy to deploy bandwidth and improves bandwidth utilization.







Application Scenarios

Villa's Yard Protect your property when you're away from home





SMD



Perimeter Protection



Push Notification



Visual and Auditory Warning

False alarm reduction
Push notifications via smartphone
Active deterrence using warning lights and siren

Shopping MallDetect suspicious targets of interest quickly





SMD



Quick Pick



AI SSA (IPC only)



Al Coding (IP Cameras)

Efficient search for human/vehicle targets Clear images for more details of the event 24/7 time-sharing monitoring

Factory Keep people away from restricted areas





SMD



Time-sharing Monitoring



Push Notification



Visual and Auditory Warning

Highly accurate alarms for human/vehicle targets Flexible perimeter protection rules according to fence structure Sound and light alarms for active deterrence of intruders

Farm
Safeguard your outdoor properties and reduce labor costs





SMD



AI SSA (IPC only)



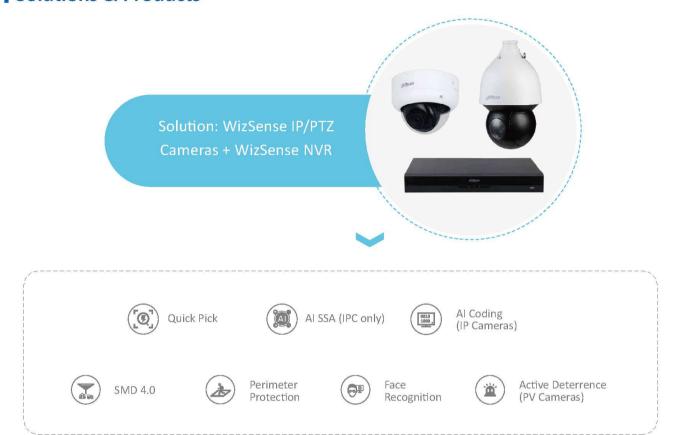
Quick Pick



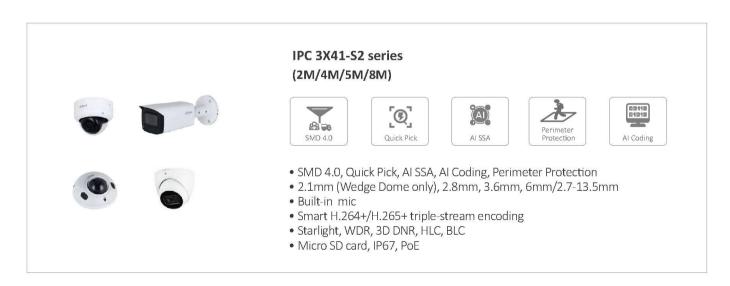
Al Coding (IP Cameras)

Accurate alarms; Filters out irrelevant objects Efficient search; Saves labor cost Better image quality; Easy configuration

| Solutions & Products



WizSense IPC





IPC TiOC 2.0 series (4M/5M/8M)











- SMD 4.0, Quick Pick, AI SSA, AI Coding, Perimeter Protection
- Built-in dual mic & speaker; Two-way Talk
- Smart H.264+/H.265+ triple-stream encoding
- Smart Dual Illuminators
- WDR, 3D DNR, HLC, BLC
- Micro SD card, IP67, PoE

SMD 4.0/AI SSA will be supported by new FW (2022.06)

WizSense PTZ



PTZ SD5A-GA/GB series (2M/4M)









- SMD 4.0, Perimeter Protection, Face Detection
- Auto tracking 3.0
- Quick Pick
- IR distance up to 150m, Starlight+
- Powerful 45x optical zoom
- Smart H.264+/H.265+, triple-stream encoding
- WDR, 3D DNR, HLC, BLC
- IP67, IK10, PoE+

SD49-GB series (2M/4M)









- SMD 4.0, Perimeter Protection, Face Detection
- Quick Pick
- IR distance up to 100m, Starlight
- Powerful 25x optical zoom
- Smart H.264+/H.265+, triple-stream encoding
- WDR, 3D DNR, HLC, BLC
- IP66, PoE+

This product will be released in August 2022.



SD6CE-GB series (2M/4M)











- SMD 4.0, Perimeter Protection, Face Detection
- Quick Pick
- Auto tracking 3.0
- IR distance up to 200m, Starlight+
- Powerful 32x optical zoom
- Smart H.264+/H.265+, triple-stream encoding
- WDR, 3D DNR, HLC, BLC
- IP67, IK10, PoE+

This product will be released in September 2022.

WizSense NVR

NVR2000-I2











- Up to 1 channel of Face Recognition video stream
- Up to 1 channel of Perimeter Protection
- Up to 4 channels of SMD Plus
- Max. 6 channels of 1080p@30 fps decoding capacity
- Max. 144/144/72Mbps incoming/storage/outgoing bandwidth

Quick Pick will be supported by new FW.

NVR4000-4KS2/I











- Up to 1 channel of Face Recognition video stream
- Up to 2 channels of Perimeter Protection
- Up to 4 channels of SMD Plus
- Max. 10 channels of 1080p@30 fps decoding capacity
- Max. 256/256/256Mbps incoming/storage/outgoing bandwidth

Quick Pick will be supported by new FW (2022.06).

Dahua Al Technology Awards





Object Search Field:

- Market 1501, DukeMTMC-reID and CUHK03 Person Re-identification No. 1
- PRCV2018 Large-scale Pedestrian Search Competition – No. 1 in two items

2018

Scene Recognition Field:

- KITTI VISION (Scene Flow Evaluation) No. 1
- KITTI VISION (Optical Flow Evaluation) No. 1

Object Segmentation Field:

• KITTIVISION (Road/Lane Detection Evaluation) Driving Area Road Class No. 1

Object Detection Field:

- KITTI VISION (2D Object Detection Evaluation)
 Vehicle Class No. 1
- KITTI VISION (2D Object Detection Evaluation) Human Body Class No. 1
- KITTI VISION (3D Object Detection Evaluation) Vehicle Class No. 1

Object Tracking Field:

- MOT (Multiple Object Tracking) Pedestrian Class No. 1
- MOT (Multiple Object Tracking) Vehicle Class No. 1
- KITTI VISION (Object Tracking Evaluation) Vehicle Class No. 1

2019

2020

Semantic Segmentation Field:

• KITTIVISION (Semantic Segmentation Evaluation) Image Semantic Segmentation Class No. 1

Object Search Field:

- Market1501, DukeMTMC-reID
- CUHKO3 Pedestrian Repeated Identification No. 1

Object Segmentation Field:KITTIVISION (Semantic Instance S

• KITTIVISION (Semantic Instance Segmentation Evaluation) Object Segmentation No. 1

Semantic Segmentation Filed:

 Cityscapes Dataset: Pixel-Level Semantic Labeling Task Urban Scene Data Set: Semantic Segmentation Task No. 1

Target Tracking Filed:

• GOT-10k (Generic Object Tracking) Universal Target Tracking No. 1

Semantic Segmentation Field:

 ADE20K (MIT Scene Parsing Benchmark) Semantic Segmentation No. 1

Binocular Stereo Matching Field:

 KITTI (Stereo Evaluation 2015) Binocular Stereo Matching No.1

Target Detection Field:

- OSCD (Onera Satellite Change Detection) Remote Sensing Image Change Detection Dataset of French Aerospace Research Institute No. 1
- DOTA (A Large-scale Dataset for Object Detection in Aerial Images) Large-scale Aerial Image Target Detection Dataset No. 1

Target Search Field:

• Market1501, DukeMTMC-reID, CUHK03 Repeated Pedestrian Identification No.1

Gait Recognition Field:

• CASIA-B Gait Dataset No. 1

2021

Semantic Segmentation Filed:

- Cityscapes Dataset: Instance-Level Semantic Labeling Task No. 1
- MSCOCO Dataset: COCO Detection Challenge (Segmentation Mask, Test-dev) No. 1
- Weakly Supervised Semantic Segmentation for Lung Adenocarcinoma No. 1

Target Tracking Filed:

• MSCOCO dataset: COCO Detection Challenge (Bounding Box) No. 1

Target Search Field:

• VERI-Wild Vehicle Image Search Dataset No. 1

OCR Field:

- ICDAR 2019 ReCTS: Chinese Signboard Recognition No. 1
- Challenge Single Character Recognition, Character Line Recognition No. 1

Gait Recognition Field:

• CASIA-B Gait Dataset No. 1

ENABLING A SAFER SOCIETY AND SMARTER LIVING

Dahua CEE & Nordic

Tel: +48 223957400

Email: dh.cen@dahuatech.com

Dahua Technology Poland SP.ZO.O

Tel: +48 223957400

Email: biuro.pl@dahuatech.com

Dahua Technology SRB D.O.O

Tel: +38 1 (11) 4429999

Email: dh.srb@dahuatech.com

Dahua Technology Denmark Aps Email: Nordic.ne@dahuatech.com

Dahua Technology Hungary LTD

Tel: +36 17899852

Email: sales.hu@dahuatech.com

Dahua Technology Bulgaria EOOD

Tel: +35929950013

Support: support.bg@dahuatech.com

Dahua Technology SRL

Email: marketing.ro@dahuatech.com

Dahua Technology Czech.s.r.o.

Tel: +420 225 986 001

Email: admin.cz@dahuatech.com

Dahua Guvenlik Teknolojileri Sanavi ve Ticaret A.S.

Email: sales.tr@dahuatech.com

Dahua Technology Middle East FZE

Email: info.me@dahuatech.com

Dahua Technology Mexico S.A. DE C.V.

Tel: +52 55 67231936

Email: sales.mx@dahuatech.com Support: support.mx@dahuatech.com

Dahua Technology Colombia S.A.S.

Tel: +57 6013106176

Email: marketing.co@dahuatech.com Support: support.co@dahuatech.com

Dahua Technology Perú S.A.C

Tel: +511 500-8555

Email: sales.pe@dahuatech.com Support: support.pe@dahuatech.com

Dahua Technology Chile SpA

Tel: +56 232705421

Email: sales.cl@dahuatech.com

Support: support.chile@dahuatech.com

Dahua Technology Argentina S.A.

Email: project.ar@dahuatech.com

Dahua Technology Panama S.A.

Email: sales.pa@dahuatech.com Support: support.pa@dahuatech.com

Dahua Brazil

Tel: +55 11 32511871

Suporte Técnico: suporte.br@dahuatech.com Vendas: comercial.br@dahuatech.com

Dahua Technology USA Inc.

Tel: +1 (949) 679-7777 Email: sales.usa@dahuatech.com Support: support.usa@dahuatech.com

Dahua Technology Canada

Tel: +1 877-606-1590

Email: sales.usa@dahuatech.com Support: support.usa@dahuatech.com

Dahua Europe BV

Tel: +31 (0) 85-0715700

Email: sales.benelux@dahuatech.com Support: support.benelux@dahuatech.com

Dahua Iberia, S.L.

Email: sales.iberia@dahuatech.com Support: support.iberia@dahuatech.com

Dahua Technology Italy s.r.l.

Email: info.italy@dahuatech.com Support: support.italy@dahuatech.com

Dahua Technology GmbH

Tel: +49 211 2054 4120

Email: sales.de@dahuatech.com Support: support.de@dahuatech.com

Dahua Technology France

Tel: +33 (0) 1 48 53 70 53 Email: sales.france@dahuatech.com Support: support.france@dahuatech.com

Dahua Singapore

Tel: +65 65380952

Email: sales.sg@dahuatech.com

Dahua Malaysia

Tel: +60376620732

Email: sales.my@dahuatech.com

Dahua Indonesia

Tel: +6227893330

Email: sales.id@dahuatech.com Support: support.id@dahuatech.com

Dahua Australia

Tel: +61 290306000

Email: sales.oc@dahuatech.com

Dahua New Zealand

Tel: +64 09 2823467

Technical Hotline: 0800 854 857 Email: Dahua_NZ@dahuatech.com

Dahua Philippines

Email: Dahua Philippines@dahuatech.com

Dahua Russia (Dahua Technology Rus LLC.)

Tel: 8 (800) 707-67-66

Email: info.ru@dahuatech.com

Dahua Kazakhstan (Dahua Technology Kazakhstan LLP)

Tel: +7 727 3110838

Email: sales.kz@dahuatech.com

Dahua Uzbekistan (OOO "Dahua Vision")

Tel: +998 781488666

Dahua Technology Ukraine Office

Tel: +380674011526

Email: dahua.ukraine@dahuatech.com

Dahua Technology UK Limited

Tel: +44 (0) 1628 613 500

Email: sales.uk@dahuatech.com Support: support.uk@dahuatech.com

Dahua Technology South Africa (Pty) Ltd | Head Office

Office Line: +27 10 593 3242

WhatsApp Business Help-Line: +27 84 072 9260

Toll-Free Help-Line: 080 099 0064

Email: sales.za@dahuatech.com Support: support.za@dahuatech.com

Dahua Technology Nigeria Representative Ltd. Email: Westafrica@dahuatech.com

Dahua Thailand

Tel: +66 2541 5188 Email: info.th@dahuatech.com

Dahua Republic of Korea

Email: sales.kr@dahuatech.com

Dahua Vietnam

Tel: +84 24 3202 6616

Email: DH_VIET@dahuatech.com

Dahua Technology Japan

Tel: +81-3-6661-6818

Fax: +81-3-6661-6857

Email: Dahua_Japan@dahuatech.com

Dahua Technology India Private Limited

Tel: +91 124 4569100

Email: sales.india@dahuatech.com

DAHUA TECHNOLOGY

Add: No.1199 Bin'an Road, Binjiang District, Hangzhou, China. 310053 Email: overseas@dahuatech.com

Website: www.dahuasecurity.com









Thank you!! 270+ Five Stars Reviews



SGCCTV®





Sim Lim Square #02-81



Best CCTV Store Sim Lim Square (SGCCTV Singapore)

Website Directions

★ Saved Call

4.9 ★★★★★ 276 Google reviews

Electronics store in Singapore



+65 9853 4404



4.9 ★★★★ 276 Google reviews
Electronics store in Singapore

Directions

You manage this Business Profile

Service options: In-store shopping \cdot Kerbside pickup \cdot Delivery

Located in: Sim Lim Square

Website

Address: 1 Rochor Canal Road 02-81 Sim Lim Square, 188504



https://www.sgcctv.com.sg/

Keep Safe Social Distancing



CHOICECYCLE



WWW.SGCCTV.COM.SG

9853 4404 / 8198 5572

#02-81



Sim Lim Square 02-81 11am~6pm daily