Creating a More Open and Smarter Ecosystem

Dahua NVR Ecosystem

NVR DHOP

More Alarm Manufacturers

More VMS Manufacturers

Background

At first, the NVR ecosystem has experienced connectivity demand from 3rd party IPC and PTZ, then docking demand for the combination of alarm and video systems, such as access to alarm sensors or alarm platforms. With the development of AI and IoT technology, more and more algorithms and APP manufacturers are entering the CCTV field, seeking cooperation with established video manufacturers and bringing new business growth opportunities.

NVR DHOP

• DHOP Overview

The Dahua Hardware Open Platform is an open application platform that allows third party applications to be downloaded and installed on Dahua products. It enables end-users to determine the right solutions to optimize their security or IoT environment. Flexibility is guaranteed as you can always remove the existing application and upload new solutions.

Basic Service

Utilize the basic capabilities of the device through standardized interfaces which includes YUV, audio and video stream processing, codec capacity, event linkage, storage, system setting, etc.

Algorithm Service

Utilize the AI capabilities of devices through standardized interfaces, which provides model transformation, memory management, image processing, network reasoning and more.

User Interface

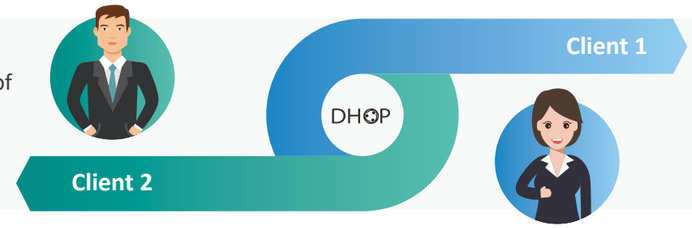
Provide UI-layer interface, which supports customers in using third party open source framework to design customized UI.

Support Service

Offer developer support services for compilation environment, packaging environment, license tools, batch installation and upgrading tools.

• NVR DHOP Client

- The partners want to customize the GUI of the NVR with its own style and brand
- Other customization requests



- Algorithm partners without hardware
- Algorithms that Dahua doesn't have
- Algorithms with higher accuracy than Dahua
- Special requirement of local government for certain projects
- Other applications or cloud application

• NVR DHOP Advantages

Flexibility
End users can select the algorithm or applications that they want to upload on our NVR, allowing them to develop for every platform.

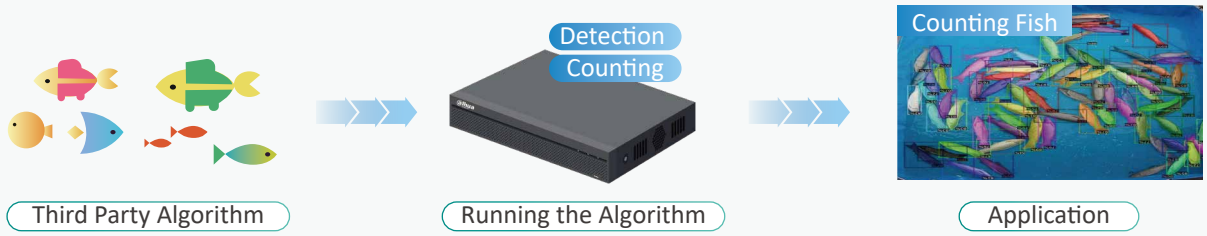
Safety Guarantee
The data from storage or transmission is encrypted to protect customers' interests. The APP is verified legally by licenses and certifications.

Quality Guarantee
Our products are fully in line with Dahua's quality. Stable and reliable components are utilized and supply chain are utilized.

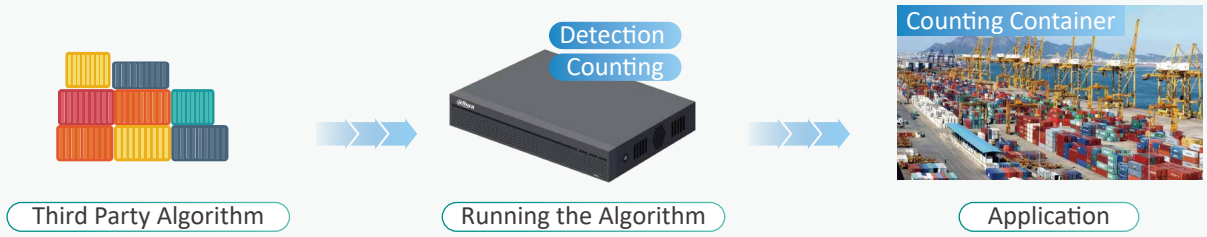
Strong Support
Our R&D team is professional and has rich experience in DHOP. They provide continuous support in the whole process including development, sample dispatch, testing, verification, and installation guidance.

• Successful Cases

Counting Fish Project

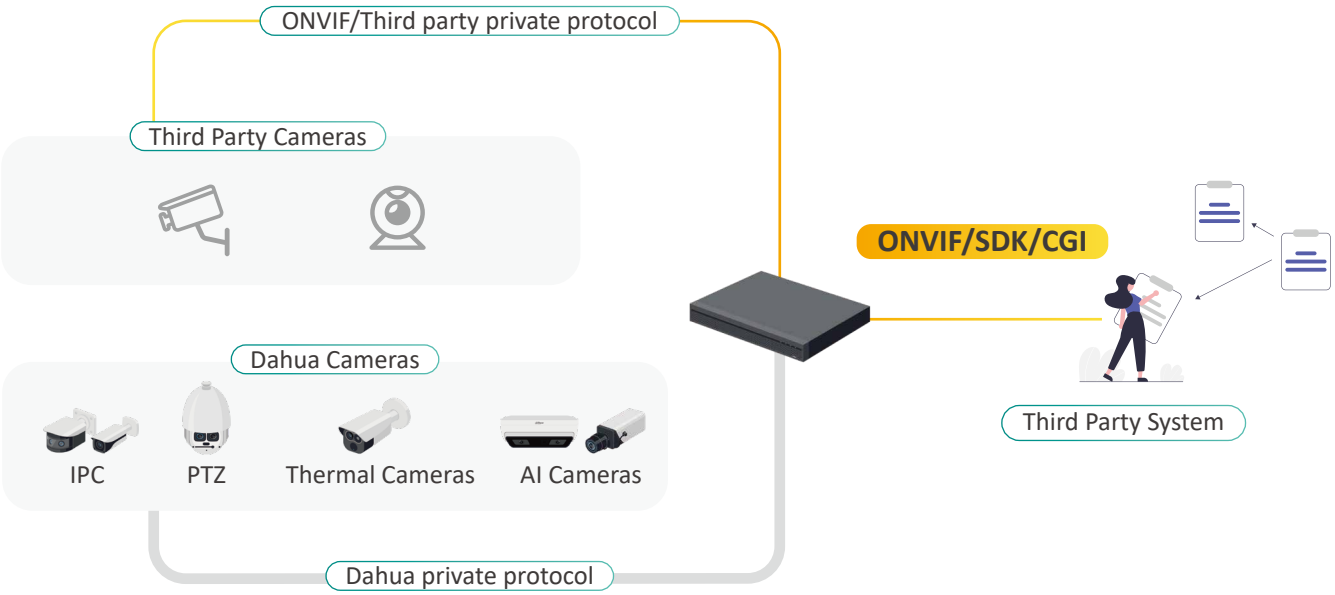


Counting Container Project



Multi Integration Protocols

Protocols are the bridges between the third party system and our products. They are very helpful and convenient for customers, allowing them to freely connect with their own system.



• ONVIF

ONVIF Profile **S**	ONVIF Profile **T**	ONVIF Profile **G**	ONVIF Profile **M** (2021 Q3)
• Live video • Audio and video codec • PTZ control • IO • Device management	• H.265 support • Intelligent events, tripwire, intrusion… • Metadata	• Recording and replay • Recording search • Recording control • Edge recording (ANR)	• Analytics configuration and information query for metadata • Metadata definition • Event handling interfaces

• SDK/CGI

Protocol	Definition	Client
SDK	SDK is short for “Software Development Kit”, and is used to define different software functions.	Every OS have one SDK, which is suitable for customers who have single OS software client.
CGI	CGI is short for “Common Gateway Interface”, and is based on HTTP protocol (HTTP API).	Cross-platform language, which is suitable for customers who have multi OS software client.

Access for third party alarm and VMS manufacturers

Alarm Manufacturers

OPTEX Sensing Innovation

GJD DETECT & DETER

Luminite

Third Party Platform

sureview OPEN SECURITY OPERATIONS

Monitor Computer Systems

Third Party VMS

axxonSOFT EXPERIENCE THE NEXT

digifort

VMS

* Requests for other alarm/VMS manufacturers can also be customized on our NVR

Recommended Products

NVR4000-4KS2/L

NVR5000-4KS2

NVR5000-I

NVR600-4KS2

ENABLING A SAFER SOCIETY AND SMARTER LIVING

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

Dahua Mexico
Tel: +52 55 67231936
Email: sales.mx@dahuatech.com
support.mx@dahuatech.com

Dahua Colombia
Tel: +571 7446110
Email: sales.co@dahuatech.com
support.co@dahuatech.com

Dahua Brazil
Tel: +55 11 32511871
Vendas: comercial.br@dahuatech.com
Suporte Técnico: suporte.br@dahuatech.com

Dahua Perú
Tel: +511 500-8555
Email: sales.pe@dahuatech.com
support.pe@dahuatech.com

Dahua Chile
Tel: +56 232705421
Email: sales.cl@dahuatech.com
support.chile@dahuatech.com

Dahua Argentina
Email: project.ar@dahuatech.com

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

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

Dahua Singapore
Tel: +65 65380952
Email: sales.sg@dahuatech.com

Dahua Turkey
Email: sales.tr@dahuatech.com
support.tr@dahuatech.com

Dahua Malaysia
Tel: +60376620731
Email: sales.my@dahuatech.com

Dahua Indonesia
Tel: +62 811 867 7728
Email: sales.indo@dahuatech.com

Dahua S.Korea
Tel: +82 7081618889
Email: sales.kr@dahuatech.com
support.kr@dahuatech.com

Dahua India
Tel: +91 1244569100
Email: sales.india@dahuatech.com

Dahua Russia
Tel: 8 (499) 682-60-00
Email: info@dahuatech.com

Dahua Kazakhstan
Tel: +7 727 3110838
Email: sales.kz@dahuatech.com

Dahua VISION LLC
Tel:+998 (78) 1488666
E-mail:dh_uzbekistan@dahuatech.com

Dahua UK
Tel: +44(0)1628 613 500
Email: sales.uk@dahuatech.com

Dahua the Netherlands
Tel: +31 (0) 79 799 96 96
Email: sales.benelux@dahuatech.com

Dahua Iberia
Tel: +34 917649862
Email: sales.iberia@dahuatech.com

Dahua Italy
Tel: +39 362182681
Email: sales.italy@dahuatech.com

Dahua Germany
Tel: +49 211 20544121
Email: sales.de@dahuatech.com

Dahua France
+33 1 48 53 70 53
Email: sales.france@dahuatech.com

Dahua CEE & Nordic
Tel: +48 223957400
Email: dh.cen@dahuatech.com

Dahua Poland
Tel: +48 223957400
Email: biuro.pl@dahuatech.com

Dahua SRB
+38 1 (11) 4429999
Email: dh.srb@dahuatech.com

Dahua Denmark
Email: Nordic.ne@dahuatech.com

Dahua Hungary
Tel: +36 17899852
Email: sales.hu@dahuatech.com

Dahua Bulgaria
Tel: +35929950013
Email: support.bg@dahuatech.com

Dahua SRL
Email:marketing.ro@dahuatech.com

Dahua Czech
Tel: +420 225 986 001
Email: admin.cz@dahuatech.com

Dahua S. Africa
Email: sales.za@dahuatech.com

Dahua Australia
Tel: +61 299285200
Email: sales.oc@dahuatech.com

Dahua Middle East
Tel: +971 48815300
Email: sales.me@dahuatech.com
info.me@dahuatech.com

* Design and specifications are subject to change without notice.

Ver.1, Feb. 2021

DAHUA TECHNOLOGY
No.1199 Bin'an Road, Binjiang District, Hangzhou, China. 310053
Tel: +86-571-87688883 Fax: +86-571-87688815
Email: overseas@dahuatech.com
www.dahuasecurity.com