

Powered by  AI



AcuPick Technology

Just One Pick

AcuPick is a true video search technology developed by Dahua, based on front-end (IPC) and back-end (NVR) AI. It helps users to quickly locate target videos of specific humans and vehicles. Unlike traditional search methods, it requires only one pick to extract targets, making the whole search process quicker and simpler.



Quick Search



Easy Operation



High Accuracy



Reduced Costs



JUST ONE PICK

In 2023, Dahua released industry-leading search technology AcuPick. Following the innovative concept of in-depth integration, Dahua effectively utilises both front-end and back-end intelligence to help users locate targets more conveniently, quickly and accurately from vast amounts of video data.

This search feature is only available through IPC WizMind S, SD5A/6AL Series & NVR5-EI.



Overview – AcuPick

AcuPick technology is a video search engine that can quickly locate the information you need. It can be used to find a lost person, locate a specific vehicle, or pinpoint evidence of someone suspected of vandalism.



Quicker Search

Quickly locate human/vehicle targets, saving up to 99% search time.

Easy Operation

Compared with traditional search methods, AcuPick only needs one pick to extract targets, making it simpler to operate.

High Accuracy

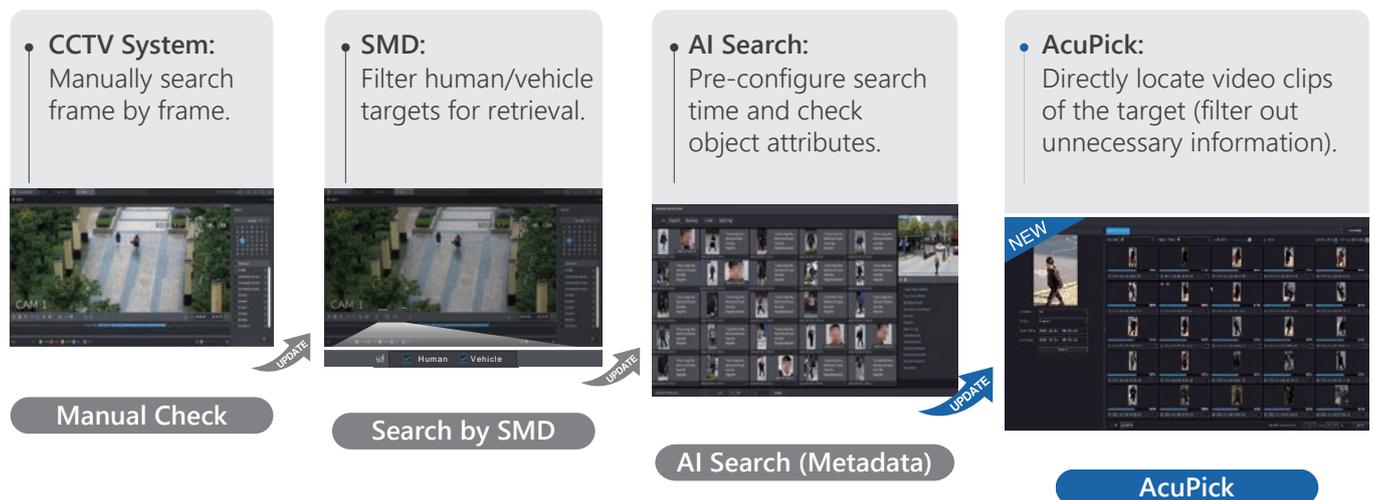
The IPC and NVR extract and model the target's appearance details using an algorithm that provides a high level of accuracy.

Reduced Costs

With lower operating costs and no expensive servers needed, the total cost of ownership is significantly reduced.

Quick Search

Directly locate the target: Users can quickly and easily filter out vast amounts of non-relevant information and locate the relevant video clips of their target.



Smart search by intrusion: Users can draw an intrusion rule to search for video clips during SMD playback, helping them to quickly and easily identify targets that entered the area.

User can only select human or vehicle targets.



Allows searches for humans/vehicles that have entered the target area, while performing a historical video search of the target.

Easy Operation

Just one pick: It is super-easy to use. Users can search in preview or playback with just one pick. With just one click, users can freeze the video and frame the target.

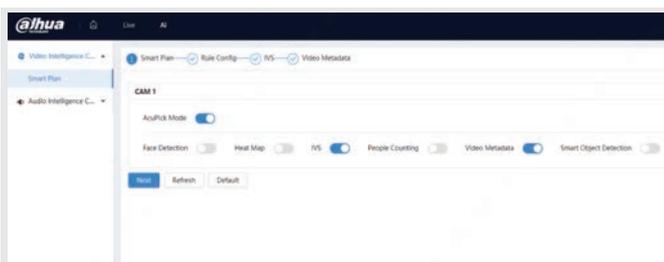


One Click Freeframe

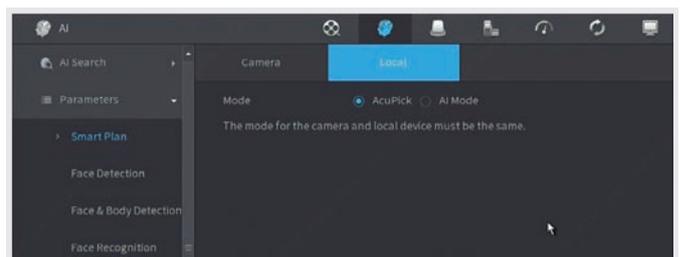


One Click Pick Up

Enabled by default: In IPC WizMind S & NVR5-EI, AcuPick is enabled by default. Utilising AI computing power, it can quickly and accurately extract target attributes. Additionally, Perimeter Protection can be turned on simultaneously on the IPC side.



IVS and Video Metadata can be enabled at the same time on IPC.



AcuPick/AI mode options on NVR (AcuPick is enabled by default).

Smart secondary search: Be able to perform a second accurate search based on search results. Click the freeze option in the search and playback interface to freeze a frame. The system will automatically extract the detected target. Click the detected image to complete the second search.



AcuPick supports managing search results classified according to time or similarity. It supports useful features such as favourite videos, hides irrelevant videos and exports videos that need to be used.

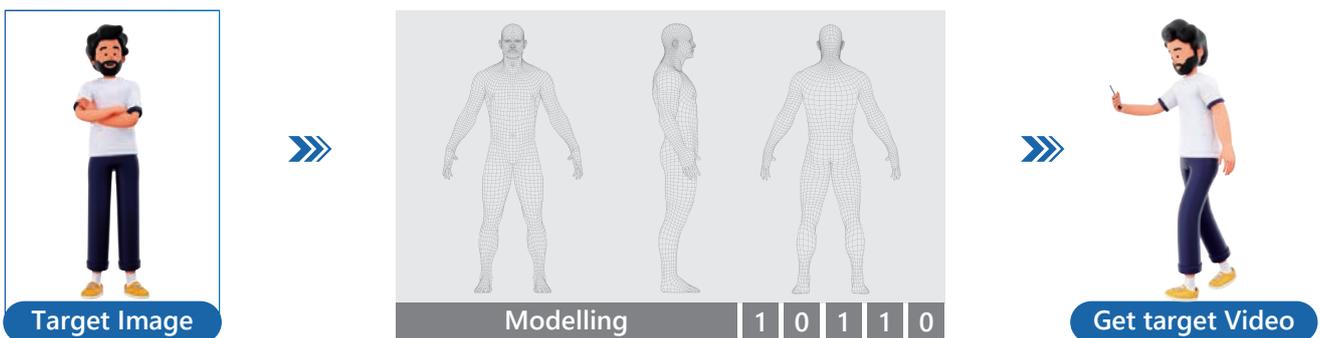
Build a comprehensive set of video evidence from multiple video sources in order to create a powerful narrative of events.



Users can find all their favourite videos in the 'Favourites' bar, which can be exported to MP4/DAV format.

High Accuracy

- IPC/NVR extracts and models the target's appearance details through an algorithm, mainly focusing on the appearance characteristics of the human body, such as clothing colour, clothing style, gender, body shapes, and other relevant information.
- It aims to determine whether the person/vehicle of interest appeared elsewhere at a specific time captured by a different camera or by the same camera at a different time.



Reduced Costs

Lower Purchase Price (no server needed)

The IPC and NVR can effectively process data with intelligent computing power. They are suitable for small and medium-sized campus scenarios with fewer than 32 channels, without the need for a server.



Lower Operation Costs

Improves retrieval efficiency by providing easier operation, faster search functions and higher accuracy. Furthermore, it is useful for various preciseretrieval scenarios, reducing manpower and operational maintenance costs.



Typical Scenarios

Shopping Centres

A shopping centre has a large flow of people. Children can easily get lost or separated from their parents. When a child is missing, searching for them may require a lot of manpower and material resources. AcuPick's secondary search function allows you to locate relevant video information to immediately locate the lost child.



Car Parks

Car parks are not 100% safe. In case of a hit-and-run incident or vandalism, it is often difficult for authorities to track down the culprit. Smart Search by Intrusion, a feature of AcuPick, allows users to quickly identify and locate videos of targets that can be used as evidence.



Business Parks

A business park is a relatively open environment, which can be prone to theft of property if not monitored properly. To monitor people entering and leaving the premises, AcuPick can trace back past movements of suspicious individuals in order to track down any illegal activities within the business park and its surrounding areas.



| Product Selection



IPC S(5-S3) Series ▶

- All series support AcuPick which is enabled by default.
- Improved image effect with AI-Powered Image.
- Deeplight, smart H.264+/H.265+, 3DNR, BLC, HLC, Defog & Real WDR.
- Video Metadata, Perimeter Protection, Smart Sound Detection, Face Detection, People Counting, Heat Map & Smart Object Detection.
- Dual power backup (except box cameras), plastic-free packaging.
- IP67, IK10, P-Iris & Heater.



NVR5-EI Series ▶

- Supports 16-channel AcuPick (only with AcuPick IPC/PTZ).
- 32ch@1080P decoding capacity.
- Max. 384Mbps incoming/recording/outgoing bandwidth.
- 2-channel Face Detection and Recognition, 4-channel Perimeter Protection, 8-channel SMD Plus.



SD5A/6AL Series ▶

- All series support AcuPick which is enabled by default.
- Perimeter Protection, Face Detection, Auto Tracking 3.0, Video Metadata & SMD 4.0.
- Pan: 0° to 360° endless, Tilt: auto flip 180°, 300 presets, 5 patterns, 8 tours, Auto Pan & Auto Scan.
- IP67.



Dahua Technology is a world-leading video-centric AIoT solution and service provider

Our Vision – Enabling a safer society and smarter living through AIoT solutions and IoT digital intelligence platforms.

With over 10,000 employees in our R&D, product, sales, purchasing, delivery and after-sales teams, we are able to offer a highly flexible and efficient service. We are fully committed to providing excellent products, solutions and services, with local sales staff ensuring high-quality service and fast response times, which creates value for our customers and helps them to grow.



Driving Innovation to an **AIoT** Future

*Design and specifications are subject to change without notice.

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