

Appearance Search Solution



Solution Introduction

Example Benefits

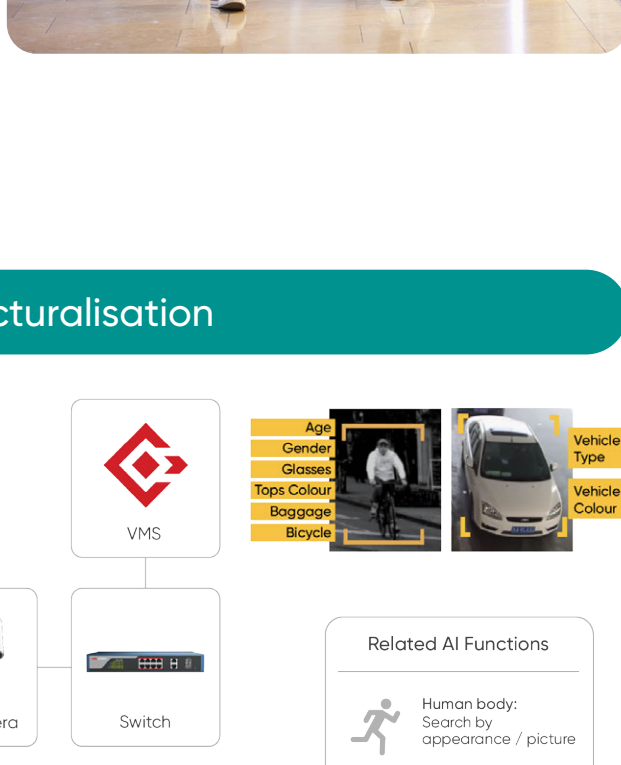
- Identify VIPs to enjoy exclusive, tailored experiences on arrival.
- Utilise frequency appearance detection to identify any individual who habitually loiters.

Find what you're looking for faster

Hikvision appearance search technology is a deep learning engine for video. It sorts through hours of video with ease, to quickly locate a specific person of interest across an entire site, or multiple sites that are connected to the same HikCentral software.

Search using physical descriptions

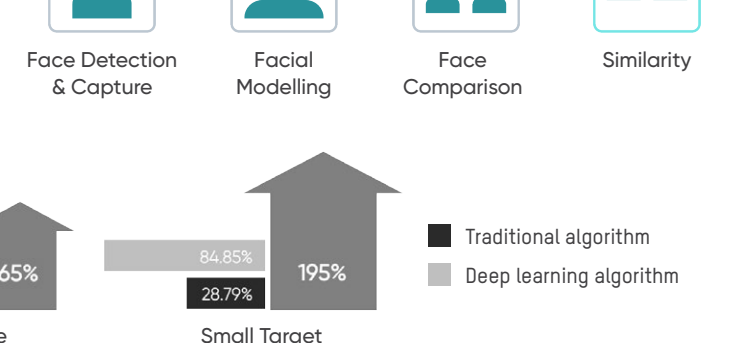
While investigating critical events, time is of the essence, and security operators are often provided physical descriptions of the people involved. Operators can initiate a search for a person by selecting certain specific physical descriptions, including clothing colour and gender, to find a person of interest.



Video Structuralisation

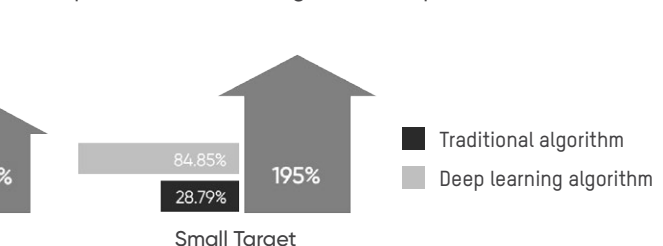
Based on deep learning algorithms, the DeepinMind NVR is able to detect human bodies and vehicles from captured images and videos, analyse their features, and build data models for them, enabling fast tracking and searching.

* In this mode, in addition to the above functions, face picture comparison can also be enabled at the same time.



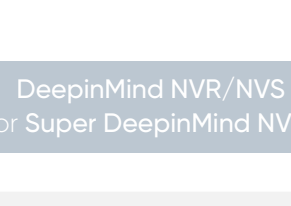
Facial Recognition

Deep learning is intrinsically different from other algorithms. This graphic illustrates the way it solves some of the problems other algorithms have difficulty addressing.



Solutions

DeepinView Camera Solution



DeepinView Camera or Standard Camera

DeepinMind NVR / NVS or Super DeepinMind NVR

HikCentral

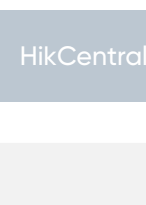
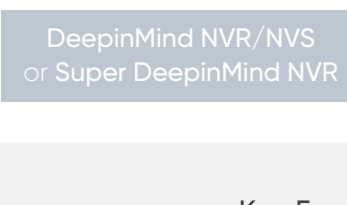
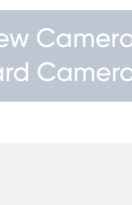
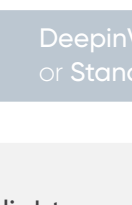
Highlights

- 1-4 recognition channel fast deployment
- Camera stand-alone solution, no requirement for high end recorder

Key Features

- **VIP Recognition:** Important and / or High net worth Customers
- **Employee Recognition:** Help to manage who is on site and when, and possibly grant access to certain areas
- **Access:** Restrict access to certain areas or rooms
- **Stranger Alert:** Unknown persons in a managed area
- **Membership Recognition:** Reduce fraudulent use of membership access to Clubs & Gyms
- **Self-Exclusion Alerts:** Gambling establishments - alert to self-prescribed individuals requiring confirmation they still wish to be excluded

DeepinMind NVR Solution



DeepinView Camera or Standard Camera

DeepinMind NVR / NVS or Super DeepinMind NVR

HikCentral

Highlights

- 5-16 channels
- No need to replace existing standard camera
- Flexible switch between Facial recognition and human/vehicle feature search

Key Features

- **VIP Recognition**
- **Employee Recognition**
- **Access**
- **Stranger Alert**
- **Membership Recognition**
- **Self-Exclusion Alerts**
- **Attendance Report:** Real-time and Quick Check with a user friendly interface, checking attendance more efficiently
- **Retrospective Missing / Vulnerable Person search:** A tool for searching for people in a defined area, such as a missing child in a Shopping Centre, or an OAP at a care home
- **Confirm Identification:** Compare two captured or uploaded face pictures, highlighting similarities. Quickly confirm if the two images are of the same person

Fusion Server Solution



DeepinView Camera or Standard Camera

Fusion Server

HikCentral

Highlights

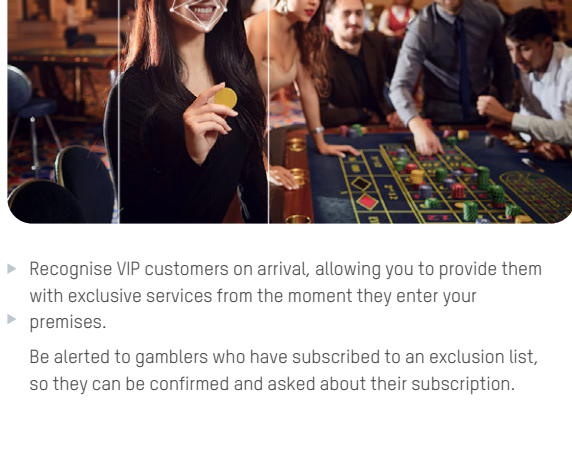
- Multiple channel for facial recognition or appearance search
- No need to replace existing standard camera
- Flexible switch between identity recognition and human/vehicle feature search

Key Features

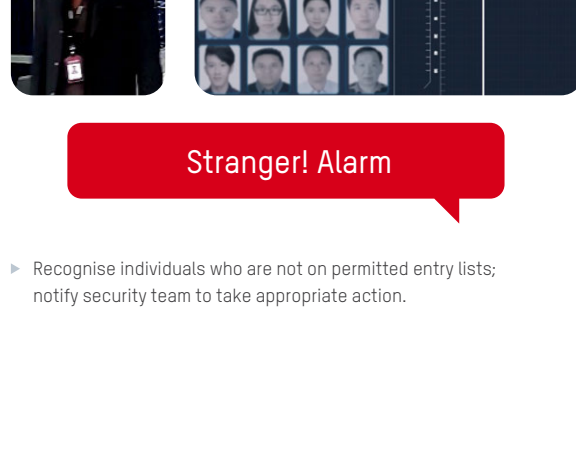
- **VIP Recognition**
- **Employee Recognition**
- **Access**
- **Stranger Alert**
- **Membership Recognition**
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- **Attendance Report**
- **Retrospective Missing / Vulnerable Person search**
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Applications

Real-Time Face Comparison & Alarm



- Recognise VIP customers on arrival, allowing you to provide them with exclusive services from the moment they enter your premises.
- Be alerted to gamblers who have subscribed to an exclusion list, so they can be confirmed and asked about their subscription.

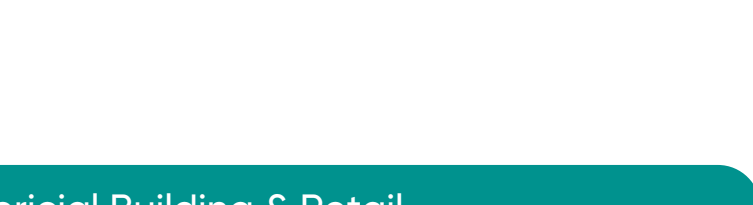


- Recognise individuals who are not on permitted entry lists; notify security team to take appropriate action.

Application based on Facial Image Library

Scenario: Policing application - Confirm Identification

Search identification via face picture library. Police officer confirms data via official channels (name, ID documents)



Name: John Green
Gender: Male
BirthDay: 1975-1-1
Case Info: 0000236
ID No: xxxxxxxxxx
Tag: Wanted

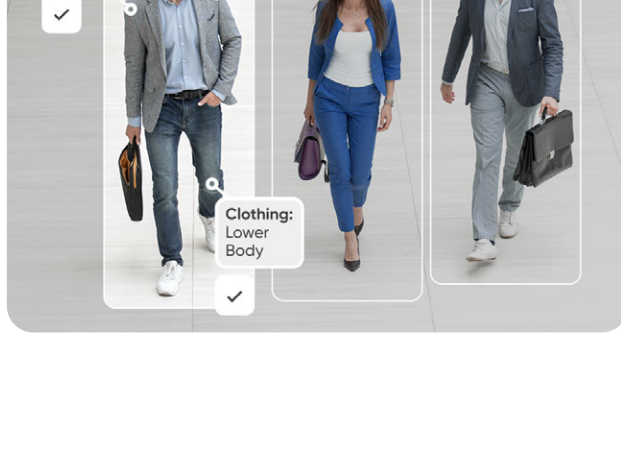
Commercial Building & Retail

Search across multiple sites

Initiate a search for a person of interest across one site, then continue the search for the same subject of interest by seamlessly transitioning from one site to the next site that uses the same version of HikCentral.

Playback, Bookmark and Export tools

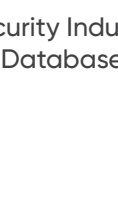
Build a comprehensive set of video evidence from multiple video sources, to create a powerful narrative of events.



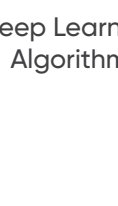
Solution Value



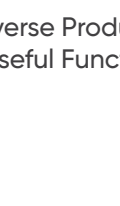
High Processing Capability



Security Industry Database

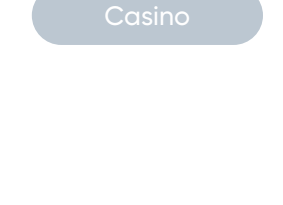


Deep Learning Algorithm



Diverse Products & Useful Functions

Recommended Scenarios



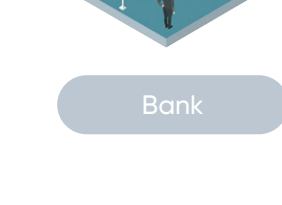
Casino



Police Station

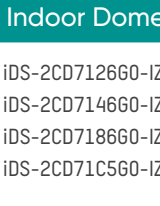


Retail



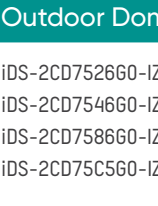
Bank

Product Showcase



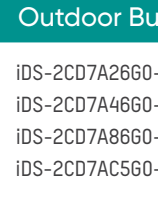
Indoor Dome

- IDS-2CD712860-I2S
- IDS-2CD714660-I2S
- IDS-2CD718660-I2S
- IDS-2CD71C560-I2S



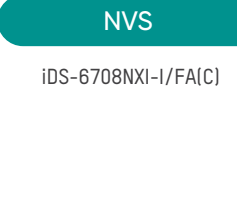
Outdoor Dome

- IDS-2CD752660-I2HS
- IDS-2CD754660-I2HS
- IDS-2CD758660-I2HS
- IDS-2CD75C560-I2HS



Outdoor Bullet

- IDS-2CD7A2660-I2HS
- IDS-2CD7A4660-I2HS
- IDS-2CD7A8660-I2HS
- IDS-2CD7AC560-I2HS



NVS

- IDS-6708NXI-I/FA(C)



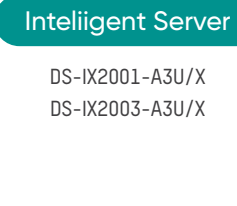
NVR

- IDS-77xxNXI-I4/L8P/X(C)
- IDS-96xxNXI-I8/X(C)



Super NVR

- IDS-96064NXI-I16(C)
- IDS-96128NXI-I16(C)
- IDS-96128NXI-I24(C)



Intelligent Server

- DS-IX2001-A3U/X
- DS-IX2003-A3U/X