



Metadata Search



Active Deterrence



Perimeter Protection



Starlight & Full-color



Face Recognition



# HDCVI 5.0

Insight of Surveillance

## Overview

Dahua newly released its HDCVI 5.0 technology. Imagine how much you can benefit from this innovation. The breakthroughs in starlight and full-color performance provide 24-hour amazingly clear image with minor details. The cutting-edge AI technology based on deep learning intelligently analyzes recorded videos. The new concept of active deterrence drives away intruders even before you are aware of them.

Meanwhile, HDCVI keeps all born features of HD-over-Coax system including seamless upgrade and easy-to-use. It further simplifies system deployment with practical features as smart H.265+ encoding and broadcast-quality audio. HDCVI consistently takes the leadership and brings benefits to users with its profound insight in surveillance industry.

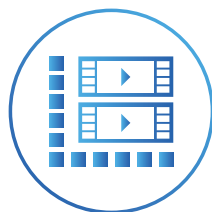
## Keywords



Perimeter  
Protection



Face  
Recognition



Metadata  
Search



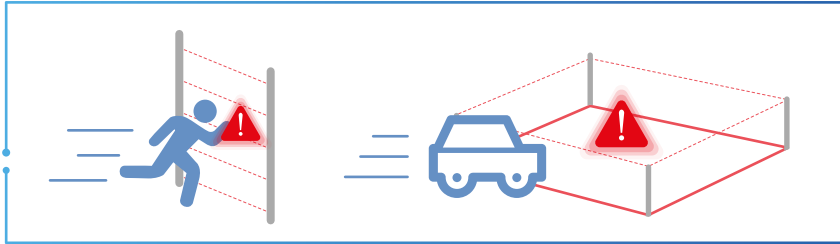
Active  
Deterrence



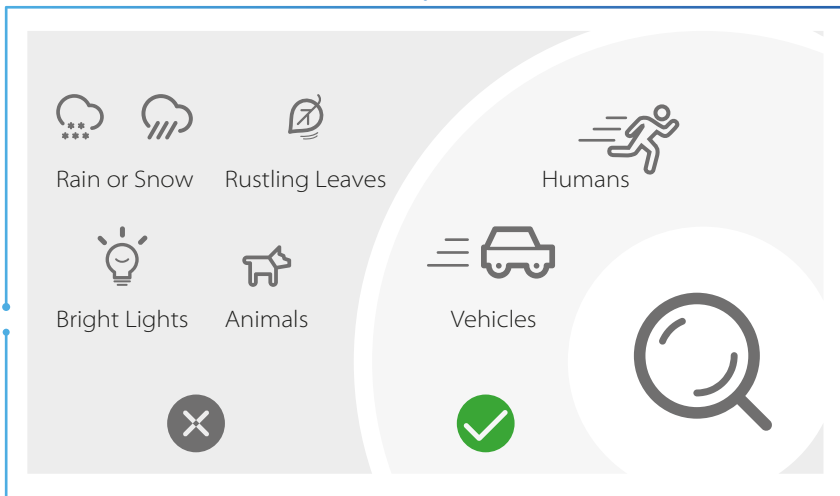
Starlight &  
Full-color

# Perimeter Protection

## Detection



## Recognition



## Alarm



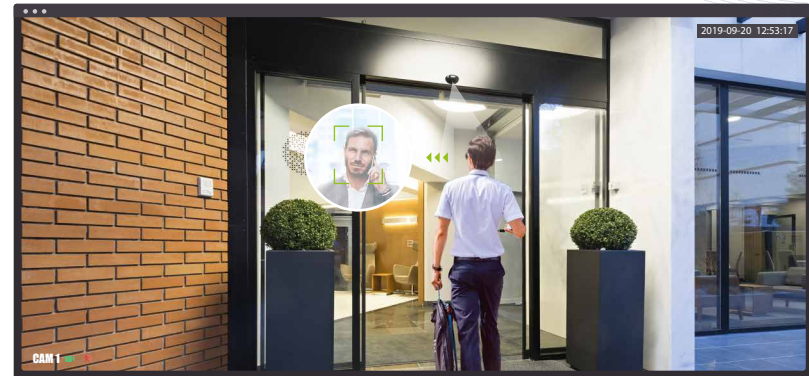
- Perimeter protection based on configurable motion detect, tripwire and intrusion rules. Send alarm to users when unwanted movements occur.
- Reduces false alarms with intelligent analysis, allowing users to focus on real threats like human and vehicle.
- Filters out less important objects including animals, insects, leaves, light, rain, etc., avoiding unnecessary actions.



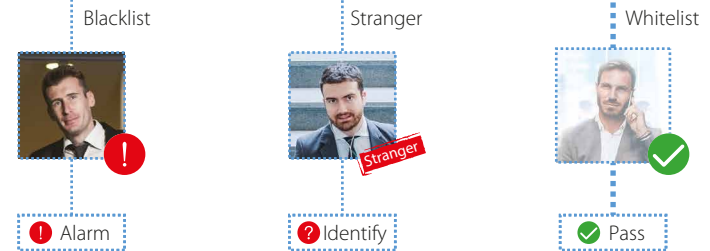
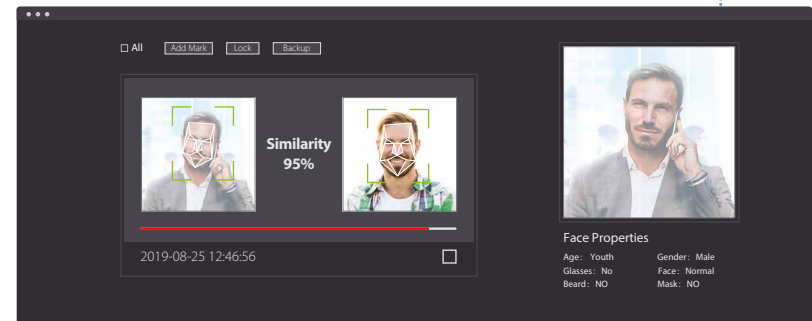
# Face Recognition

- Sets blacklists to seek out suspects among huge crowd and send alarms simultaneously.
- Sets whitelist to allow authorized persons to pass, replacing manual check at entrance control.
- Distinguishes strangers and sounds alarm when unexpected persons entering the restricted area.
- Supports up to 24 pic/s face recognition and 20 database with up to 100,000 face images, fully guarantees recognition accuracy and process efficiency.

Face Detection



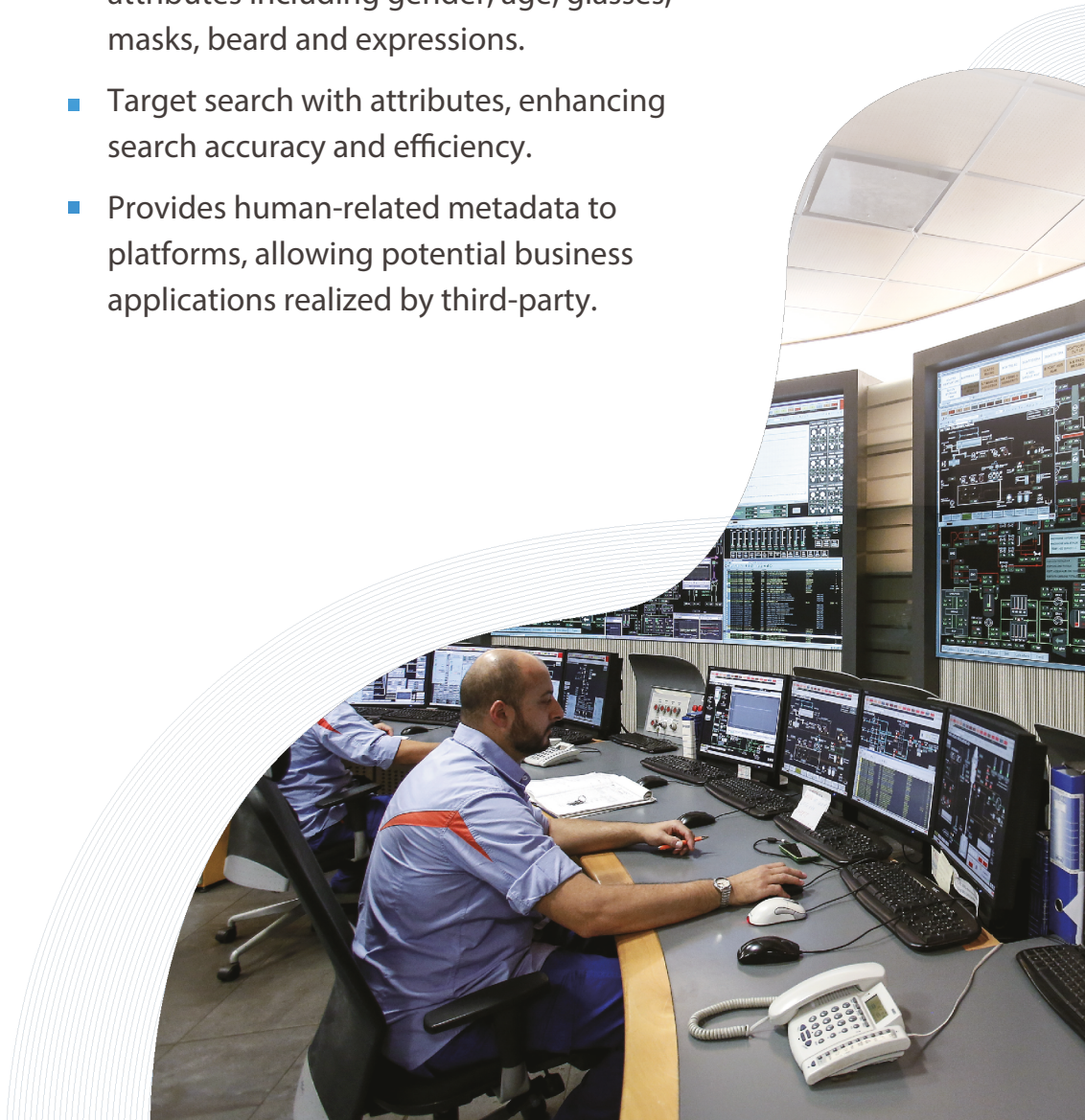
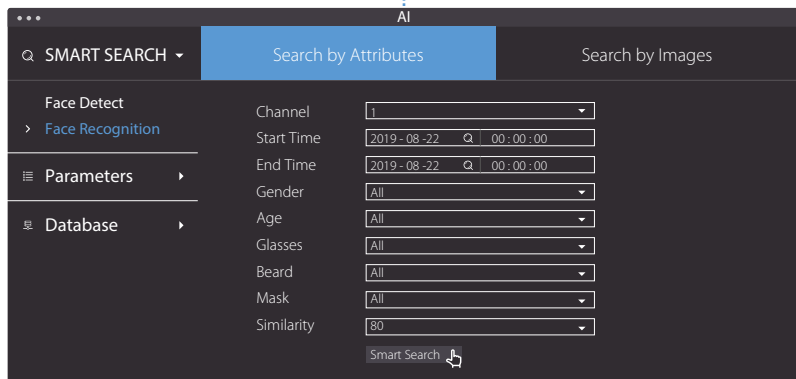
Similarity Comparison



# Metadata Search



- Target object modeling with human face attributes including gender, age, glasses, masks, beard and expressions.
- Target search with attributes, enhancing search accuracy and efficiency.
- Provides human-related metadata to platforms, allowing potential business applications realized by third-party.



# Active Deterrence

- Actively warns off intruders and takes action even before users are aware of the incident.
- Improves accuracy with PIR and motion dual-detect and reduces storage space for motion detect-based recordings.
- Alert users in real-time with alarm-over-coax and provides visual verification with HDCVI video.
- Protects personnel and property in scheduled time period and avoid disturbs in unnecessary hours with configurable alarm period.

1 PIR camera detects intrusion



2 Actually warns off intruders



3 Users can verify alarm with video



# Starlight & Full-color

- Provides starlight cameras ranging from 1080P to 4K and full-color cameras, meeting the requirements in low-light monitoring environments, such as parking lots, urban streets, shops, etc.
- Significantly increases probability of gathering valid human, vehicle, and event evidence, offering useful materials for further intelligent analysis.
- Full-color camera allows 24/7 color monitoring for collecting chromatic information such as clothing color of human or vehicle color.



Dahua in-house ISP



Large aperture lens



High performance sensor



IR/LED Light Compensation

## Color mode, without light compensation



Non-starlight Camera



Starlight Camera

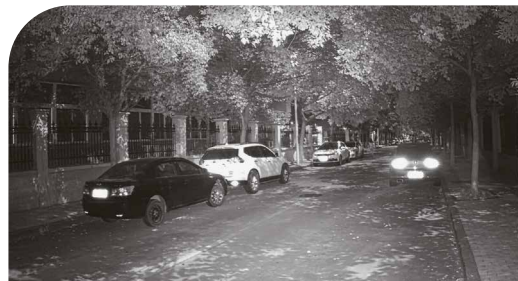


Full-color Camera

## Auto mode, with IR/LED light compensation



Non-starlight Camera



Starlight Camera



Full-color Camera

# Product model



**DH-XVR8816S-4KL-I**  
HDCVI 4K & H.265 AI XVR



**DH-XVR8208A-4K-I**  
HDCVI 4K & H.265 AI XVR



**DH-XVR8216A-4KL-I**  
HDCVI 4K & H.265 AI XVR



**DH-HAC-ME2241C(-W)**  
**DH-HAC-ME1200D**  
HDCVI Active Deterrence Camera



**DH-HAC-2802/2501/2241 Series**  
4K/5MP/1080P Starlight HDCVI Camera



**DH-HAC-2249-LED Series**  
1080P Full-color HDCVI Camera

\* Design and specifications are subject to change without notice.

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