

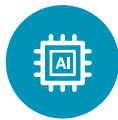


# HDCVI 6.0

Leading the Over-Coax AI Evolution



4K Real-time



Enhanced AI



AI Coding



Two-way Talk

## Overview

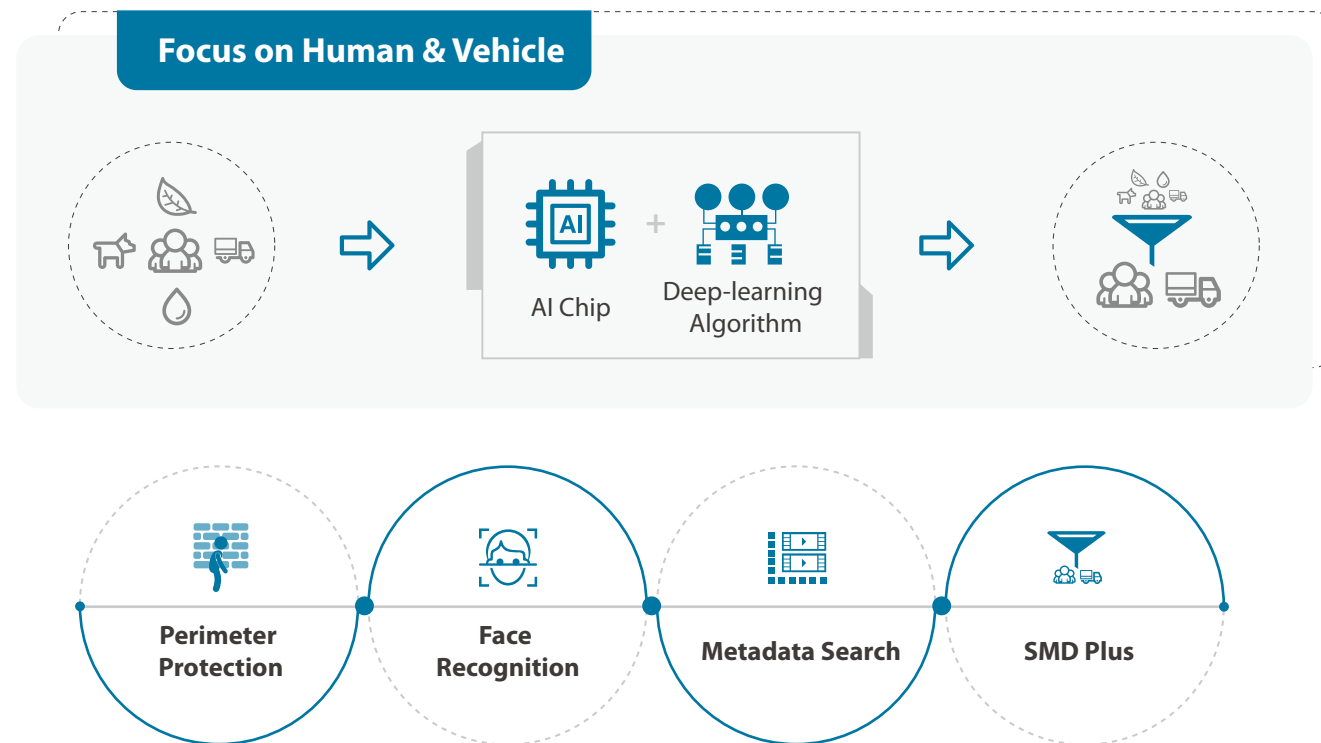
Throughout the year, Dahua continuously enhance its technology leadership in the HDCVI community through its state of the art performance in terms of resolution, intelligence and usability. This year, Dahua unveils HDCVI 6.0 with industry's first 4K real-time and AI capabilities. This brand-new technology provides a superior visual experience both in live view and playback through its 4K real-time solution and AI coding while maintaining the same HDD storage. The two-way talk achieves real-time communication between camera and recorder with a broadcast-quality audio. In addition, HDCVI with enhanced AI can identify humans and vehicles in a video, alerting users with accurate alarms and enabling a quick search with optional "human" or "vehicle" video type. HDCVI is bringing fresh ideas and new possibilities to the industry, and will always provide more economical, safer and more convenient solutions to customers.



## Enhanced AI

### What is Enhanced AI ?

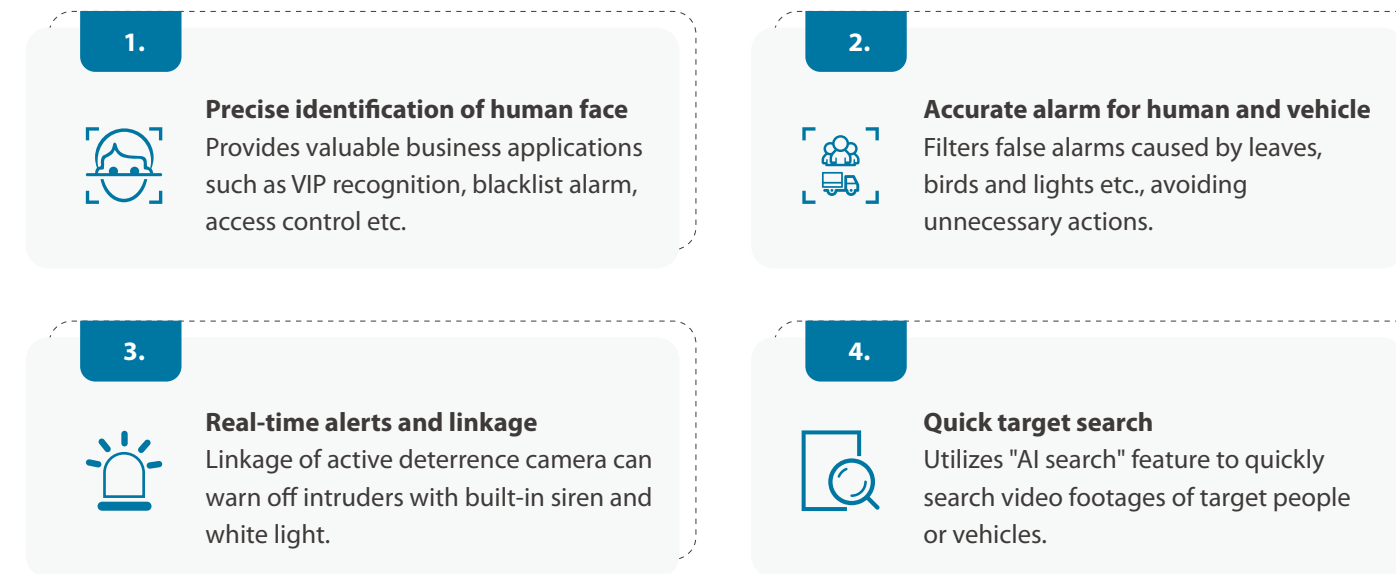
- Adopting independent AI chip with up to 4T computing power and advanced deep-learning algorithm, HDCVI enables precise recognition of human, motor vehicle and non-motor vehicle.
- Enhanced AI supports face recognition, perimeter protection, metadata, SMD Plus etc. that can be used for potential risk prevention, real-time event alarm, and quick inquiry.



### Benefits

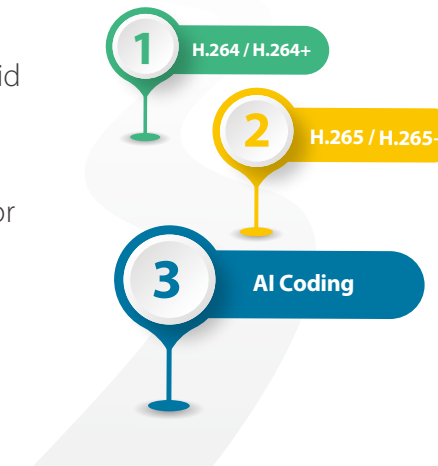
Compared with traditional video surveillance, HDCVI AI classifies human and vehicle in an image, making it easy for users to focus on real threats, enhancing target search efficiency, and significantly reducing labor costs.

In addition, Dahua provides a complete end-to-end AI solution with 4K UHD and full-color camera to ensure high accuracy and to provide high management efficiency through unified DSS & DMSS.

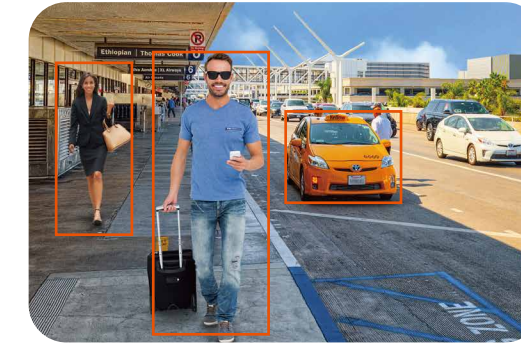


## AI Coding

- Dahua AI takes the video compression to a new level of content-aware encoding which can avoid noise and can produce a more detailed image.
- Automatically encodes with a target perceptual quality through recognition of moving human or vehicle, significantly improving the streaming quality compared with H.265+.
- Decreases the bandwidth when there is no real target in sight, allowing efficient handling of videos to save HDD storage cost.



### AI Coding Scheme



**Step1:** Recognizes moving person and vehicle  
**Step2:** Automatically improves encoding efficiency with the same image quality



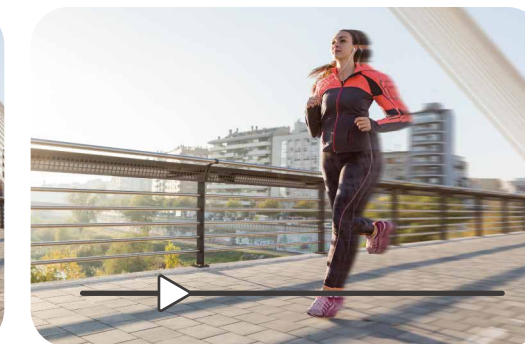
**Step1:** Analysis shows that there is no person or vehicle in the picture  
**Step2:** Lowers the bandwidth when no real targets appear

## 4K Real-time

- 4K real-time is a unique and leading technology in HD-Over-Coax market.
- It restores monitoring location with 30 fps for a better visual experience.
- Offers superior clarity in collecting even tiny details within a large monitoring coverage.
- AI coding saves storage costs, allowing users to enjoy the advantages of upgrading to higher resolution while maintaining the current storage expense.



• 4K Real-time



• 4K Non-real time

## | Two-way Talk

- Two-way talk is a unique and leading technology in HD-Over-Coax market and a breakthrough innovation in Audio-Over-Coax technology.
- Aside from satisfying users' demand for auxiliary audio information, Two-way talk also enables bi-directional audio intercom that can be used to warn off intruders and to provide guidance when an accident occurs.
- Advanced audio noise reduction technology provides "broadcast level" audio quality, providing users with a multi-dimensional and high quality video surveillance solution.



### HDCVI 6.0 Two-way Talk



### Two-way Talk Application



User gets intrusion alarm, then warns the intruder via DSS & DMSS

Audio

Audio-over-Coax



XVR

HDCVI Camera



HDCVI camera broadcasts the audio to warn off the intruder



# ENABLING A SAFER SOCIETY AND SMARTER LIVING

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

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