HDCVI TEN

Blazing A Trail To The Over-coax AI Era

AI-for-all

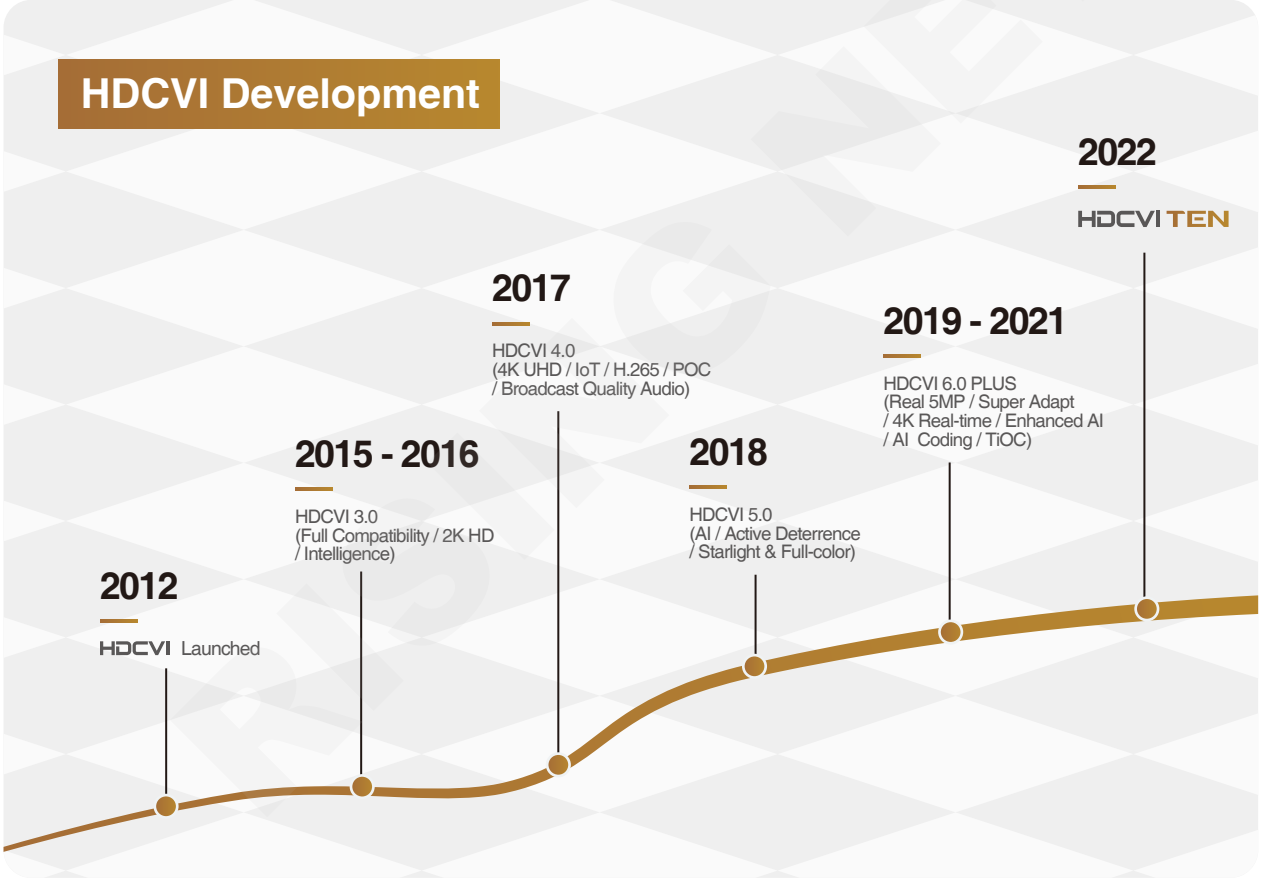
Scheduled AI

Smart Dual Illuminators

Real 5MP 16:9

HDCVI Technology Development

2022 marks the 10th anniversary of Dahua's independently developed HDCVI technology! Since the first release of HDCVI technology in 2012, Dahua has insisted on innovation and continuously invested in HDCVI technology in the past ten years, leading the coaxial industry to achieve many key technological breakthroughs, such as industry-leading Audio-over Coax, AI function, AI Coding, 4K Real-time, Super Adapt and other technologies. This year, Dahua launches the new HDCVI TEN equipped with AI-for-all, Scheduled AI, Smart Dual Illuminators and Real 5MP 16:9 technologies, blazing a trail to the over-coax AI era.



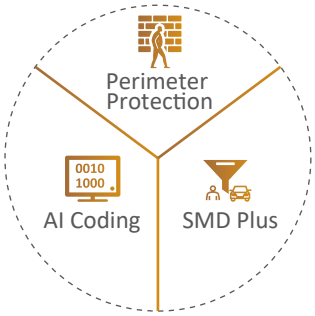
This year, the brand new HDCVI TEN will provide customers with richer intelligent solutions. AI-for-all realizes all AI capabilities of XVR, even for entry-level products, which allows users to enjoy the benefits of AI without breaking their budget. With Scheduled AI, users can configure different AI functions according to different time periods. Integrated with Perimeter Protection and SMD Plus of AI-enabled XVR, the new Smart Dual Illuminators technology can flexibly switch between white light mode and IR mode, which effectively helps reduce light pollution. The Real 5MP 16:9 camera allows users to collect undistorted images with super clear details.

AI-for-all

Why we said AI-for-all?

Dahua released the Cooper-I series in 2021, proving that even entry-level XVR deserves AI and upgrading the entire XVR series with AI features. In addition, its excellent cost efficiency and ease of use greatly reduce the barriers in using AI, allowing everyone to enjoy the benefits of AI functions.

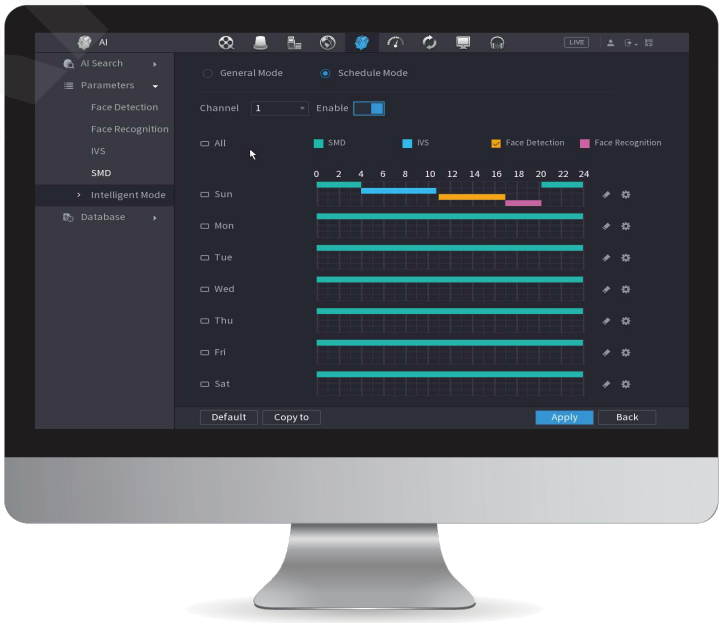
- **ALL XVRs are upgraded to AI**
- **ALL people can better save labor and time costs with AI capabilities**
- **ALL users can configure AI more easily with its user-friendly UI design**



Adopting AI chip and advanced deep-learning algorithm, AI enables precise recognition of human and vehicle for accurate alarm and quick target search, making it easy for users to focus on real threats, enhancing video analysis efficiency, and thus significantly reducing labor costs.

Scheduled AI

- AI functions can be set according to different time periods (maximum of 6 time frames per day).
- Users can set Scheduled AI by week according to their actual needs. Replication of daily schedules is supported.
- Improves configuration efficiency and expands the range of suitable application scenarios.



Scheduled AI Application

Retail Store

Challenges:

- The owner wants to improve customer satisfaction during daytime.
- At night, the owner wants to keep their property safe. Users may fail to take action in time and suffer property loss.

Solution:

During operating hours, the shopkeeper can schedule SMD Plus to detect customers and give them a friendly audio greeting "Welcome!". At night, the Scheduled AI will switch to Perimeter Protection to deter potential threats during non-business hours, with audio warning "Private land no entry!"

Villa

Challenges:

- When the owner is away, vehicles may block garage entrance creating inconvenience when the owner returns.
- The villa is unguarded at night and unwanted visitors may have unfavorable intentions.
- Weekdays and weekends have different needs, and users need flexibility.

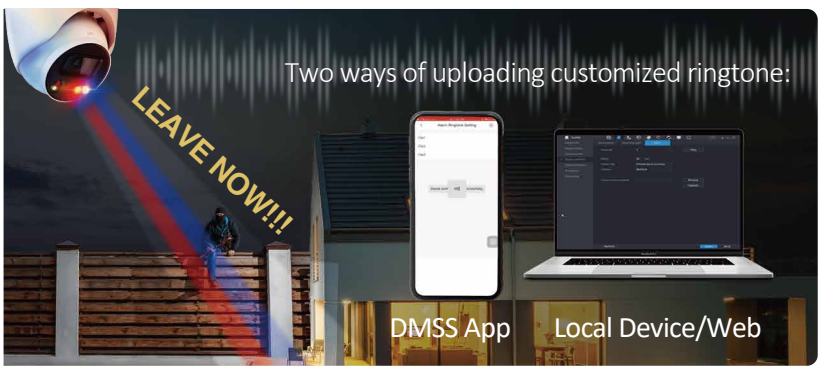
Solution:

During work days, when the owner is not at home, the Perimeter Protection function can be used. He can draw a detection rule on the scene and warn off the intruding car with an audio warning "No parking here!". Then the XVR automatically switches to SMD Plus function throughout the nights and weekends, and prompts audio warning "Private land no entry!" if an intruder is detected.

Other features when link with TiOC camera

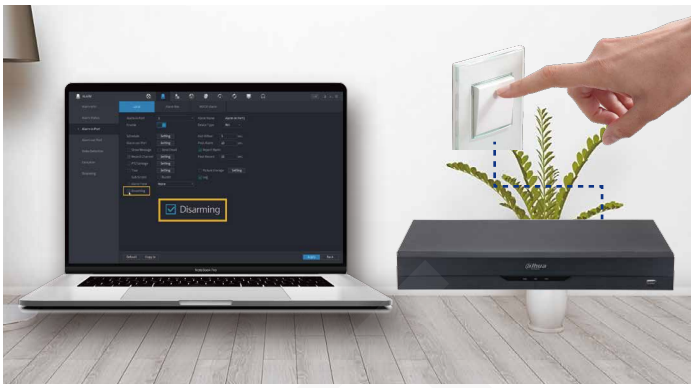
1. Customized Alarm Ringtone

The voice audio alarm linked with Scheduled AI can be customized via both DMSS app and the device, bringing more convenience and flexibility for end users.



2. Arming/Disarming Controlled by Local Alarm

Besides controlling via the XVR user interface or DMSS app, the disarming/arming function can also be controlled by the local alarm of the device. For example, users can press the alarm switch to quickly control the arm/disarm function, which brings great convenience for end users.



Smart Dual Illuminators

- Industry-leading smart dual illuminators technology broadens the application scenarios of Full-color products.
- Switches between white light mode and IR mode according to the target detection status, effectively reducing light pollution.
- Works with Perimeter Protection/SMD Plus of AI XVR, accurately detecting real target and filtering out false alarms.
- Full-color monitoring in white light mode effectively captures vivid color information and clear evidence of human/vehicles.
- One-tap switching of various illumination modes through the DMSS app, providing users with flexible configuration.

Muitiple Illumination Modes

Smart Illumination Mode (Default)

Switch between IR Mode and white light when target is detected.

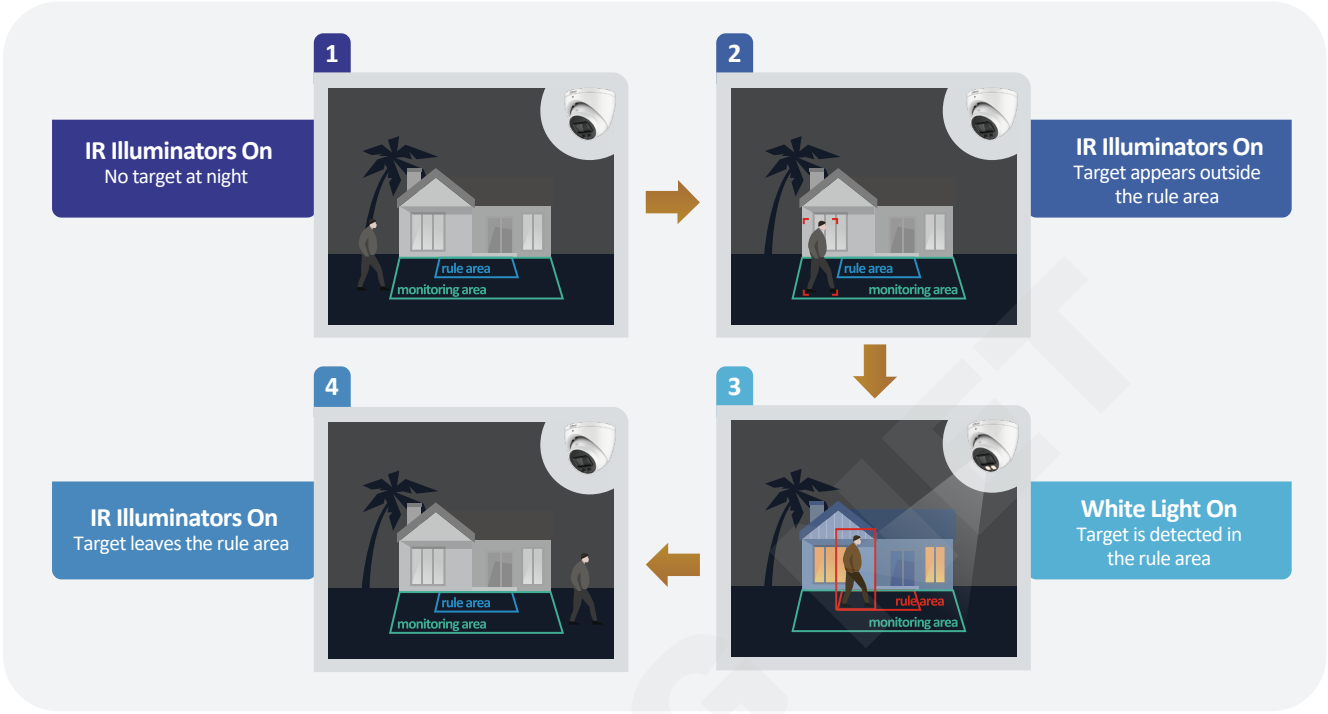
White Light Mode (Optional)

Only the white light is ON. It is suitable for scenes that require color video footages.

IR Mode (Optional)

Only IR illuminator is ON. It is suitable for scenes where supplementary white light is not required, thus reducing light pollution.

System Diagram of Smart Illumination Mode



Real 5MP 16:9

- Real 5MP is a unique and leading technology in HD-over-Coax market.
- 16:9 aspect ratio better fits common HD displays and achieves undistorted 5MP image performance.
- 5MP high definition and large FOV guarantee monitoring reliability in critical areas.
- 5MP Real-time provides more fluent visual experience and better restoration of monitoring scene.

Previous 5MP 4:3

Real 5MP **16:9**

Ver. 1, Mar. 2022

DAHUA TECHNOLOGY
Add: No.1199 Bin'an Road, Binjiang District, Hangzhou, China. 310053
Email: overseas@dahuatech.com
Website: www.dahuasecurity.com

YouTube LinkedIn Partner APP Website