IPC-HDW3549HP-AS-PV-S3-2.8

5MP Dual Illumination Active Deterrence Fixed-focal Eyeball Network Camera

With its foundation from the previous generation of TiOC, a variety of new innovative technologies are introduce the latest TiOC 2.0 for the first time, achieving breakthroughs and quality improvements in illuminators, audio an images. At the same time, TiOC 2.0 can be integrated with alarm system through software upgrades. It provides better ecosystem that offers more convenient operation and better user experience.

- 5MP 1/2.7" CMOS image sensor, low luminance, and high definition image.
- Outputs max. 5 MP (2592 × 1944)@20 fps and supports 4 MP (2688 × 1520)@25/30 fps
- H.265 codec, high compression rate, ultra-low bit rate.
- Built-in warm light and IR LED; the max. IR illumination distance is 30 m and warm light distance is 30 m.
- ROI, SMART H.264+/H.265+, AI H.264/H.265, flexible coding, applicable to various bandwidth and storage environments.
- Rotation mode, WDR, 3D NR, HLC, BLC, digital watermarking, applicable to various monitoring scenes.
- Intelligent monitoring: Intrusion, tripwire (the two function support the classification and accurate detection of vehicle and human).
- Abnormality detection: Motion detection, privacy masking, scene changing, audio detection, no SD card, SD full, SD card error, network disconnection, IP conflict, illegal access, and voltage detection.
- Alarm: 1 in, 1 out; audio: 1 in, 1 out; supports max. 256 G Micro SD card; buit-in dual MICs; 1-ch speaker.
- 12 VDC/PoE power supply.
- IP67 protection.
- Sound and light alarm (red and blue lights).
- SMD 3.0.
- One press arming/disarming through alarm input.

Siren and Light Active Deterrence

Dahua siren and light active deterrence network camera supports the light alarm and voice alarm when perimete event occurs, to realize the deterrence and effective intervention. The camera is built in multiple voices for selec and supports customized voice importing.

Smart Dual Illuminators

Dahua Smart Dual Illuminators technology adopts smart algorithm to detect targets. Usually, the IR illuminator is at night; when the target appears in the monitoring area, the warm light is on, and the camera records the full-co video and information of key events. That is, the camera links snapshot and video with full-color image. When th target is out of the monitoring area, the warm light is off and the IR illuminator is on, which reduces light pollution efficiently.
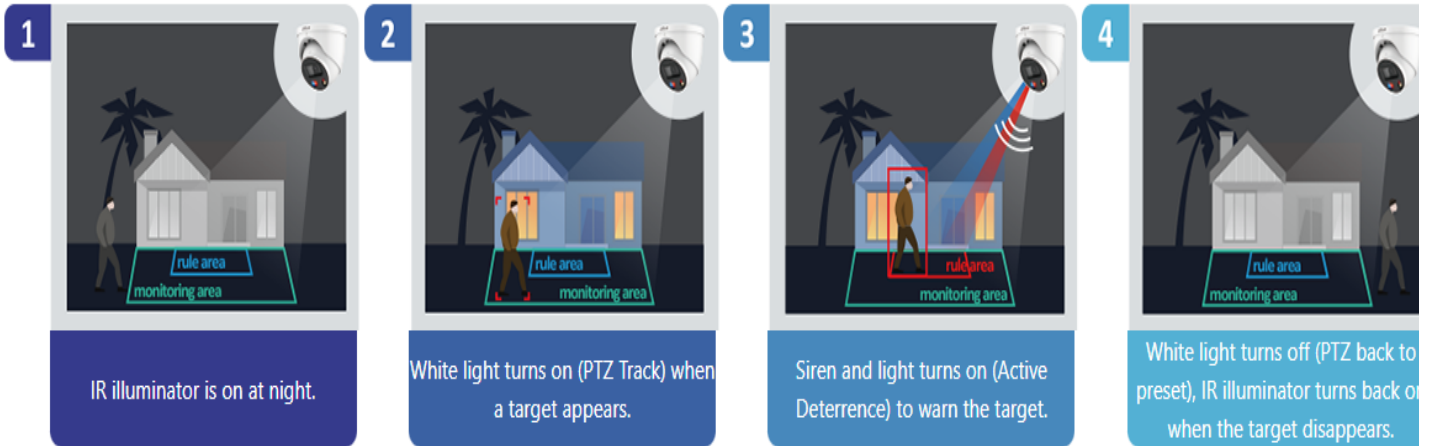
One-tap Disarming

Dahua One-tap Disarming function, which is convenient and easy for operation, is the switch for event linkage. Customers can close and recover event linkage through mobile App, which meets multi-scenarios needs.
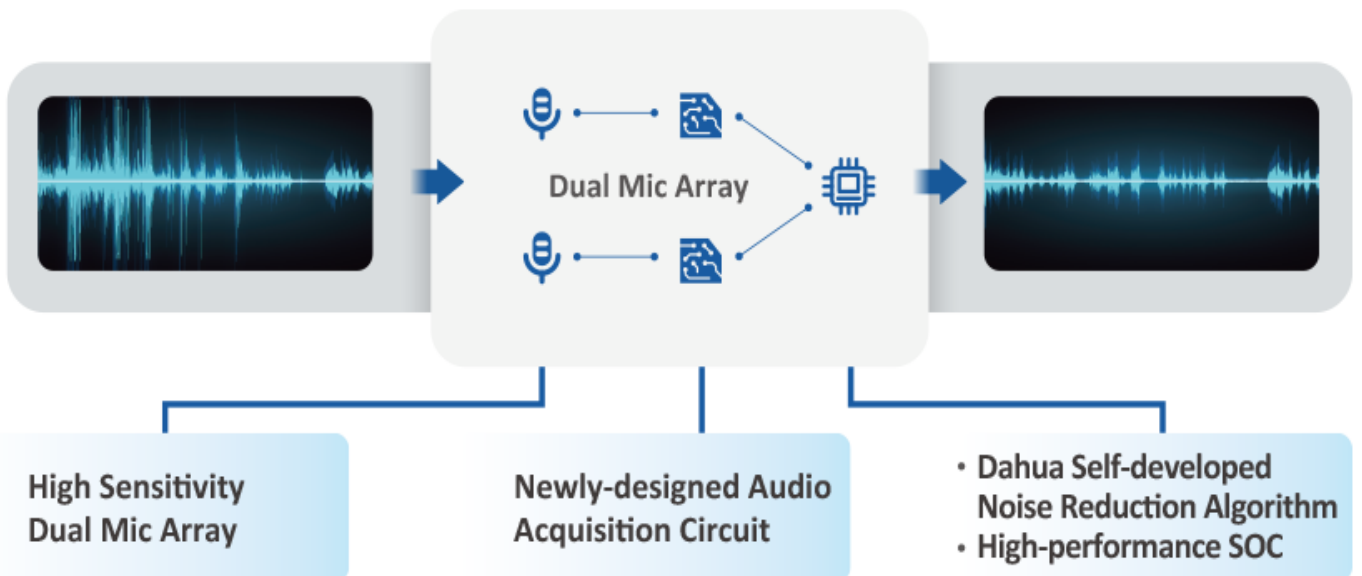
Smart Dual Illuminators

• Smart Illumination Mode (Default): Switch between IR Mode and white light when target is detected.

• IR Mode (Optional): Only the IR illuminator is ON. It is suitable for scenes where supplementary white light is n
required, significantly reducing light pollution.

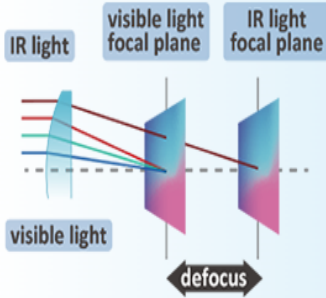• White Light Mode (Optional): Only the white light is ON. It is suitable for scenes that require color video footage

1
IR illuminator is on at night.

2
White light turns on (PTZ Track) when a target appears.

3
Siren and light turns on (Active Deterrence) to warn the target.

4
White light turns off (PTZ back to preset), IR illuminator turns back on when the target disappears.

VoiceCatcher Technology

• Newly-designed Dual Mic Array intercepts external circuit interference.

• Audio pick-up distance is increased by 7 meters compared with the previous version of TiOC in a lab environm

• The Dahua VoiceCatcher reduces noise and extracts audible audio signals.

Dual Mic Array

High Sensitivity Dual Mic Array

Newly-designed Audio Acquisition Circuit

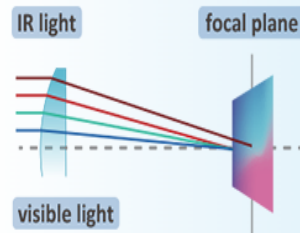• **Dahua Self-developed Noise Reduction Algorithm**
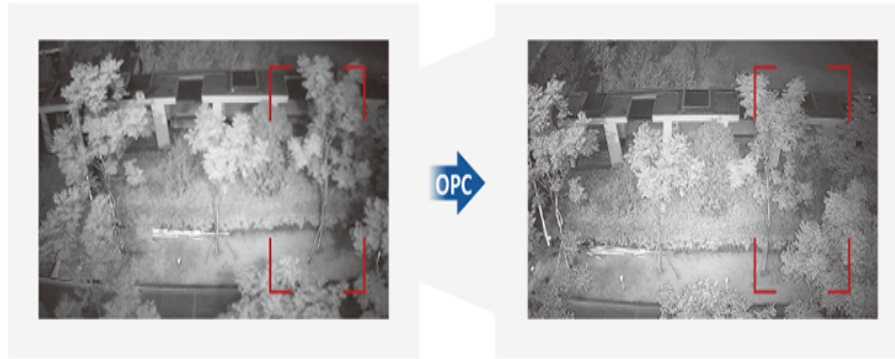• **High-performance SOC**

Better Image

• First Dahua camera powered by OPC (Optical Path Technology). It corrects the refraction angle of different ligh
path. With F1.0 large aperture lens, it outputs brighter and clearer black & white images

IR light — **visible light focal plane** — **IR light focal plane** / **visible light** / defocus	Focus for visible light and IR light cannot be achieved on the same plane when using F1.0 large aperture.
IR light — **focal plane** / **visible light**	Focus for visible light and and IR light can be achieved on the same plane.

OPC

With the OPC technology, the details of the tree are clear, and the edges of the image are bright.

Easy Operation

- Alarm-in Port: Allows alarm receiving or one-tap disarming through the alarm system interface.

- One-tap Disarming: Turns on/off the warning light and siren via the DMSS or alarm-in port.

- Alarm Sounds: Offers 11 built-in sounds and supports importing of custom voice audio for different scenarios.

Store:"Welcome"
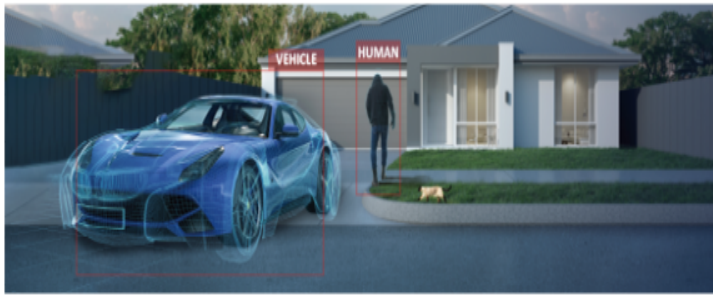
Dangerous Place: "No Entry"

Fire Exits: "No Parking"

Construction Sites: "Keep Out

AI Features

SMD 3.0

Simple Configuration

SMD 3.0 is enabled by default

Longer Detection Distance

Detection distance is increased by as much as 50% compared with SMD Plus

Higher Detection Accuracy

Maximum detection accuracy for human and vehicle targets can reach up to 99%.

Reduced False Alarms

False alarm rate: <1%

Perimeter Protection

Accurate Detection

SMD 3.0 is enabled by default

Target Classification

Focuses on human and vehicle targets

Quick Target Search

Target search efficiency is increased by 98%

Remote Monitor

Alarm push notification sending time: < 1s