AI Technology, Active Alarm, and Smart Dual Illuminator Technology

Dahua smart dual illumination products

Siren And Light
Active Deterrence

Smart
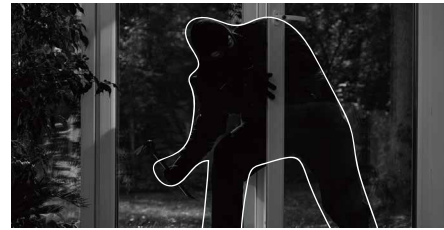Dual Illumination

Artificial
Inteligence

One-tap
Disarming

Two-way
Voice Intercom

Challenges

• No Color Details

After a burglary, although there is CCTV evidence, it is still difficult to identify the suspect due to uncolored video footages.

• Too Many False Alarms

Too many false alarms often cause meaningless work for the alarm receiving center, with only 50 real ones out of 3,000 alarms in some cases.
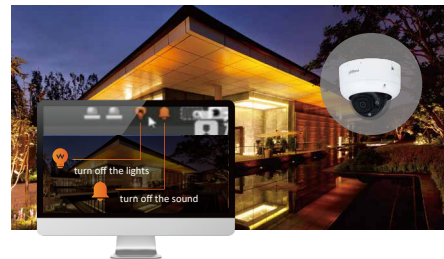

• Low Sound

Alarms with low audio do not effectively deter intruders, and it is difficult to hear it from a distance in an outdoor scenario.
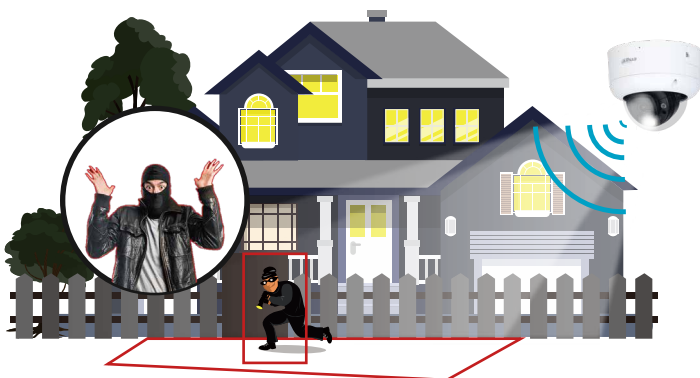

16.40ft

• Inconvenient Operation

After the sound and light warning alarm are triggered, the customer usually prefers to be notified through mobile phone and to be able to turn off both the sound and light with just one button.

turn off the lights

turn off the sound

Highlights

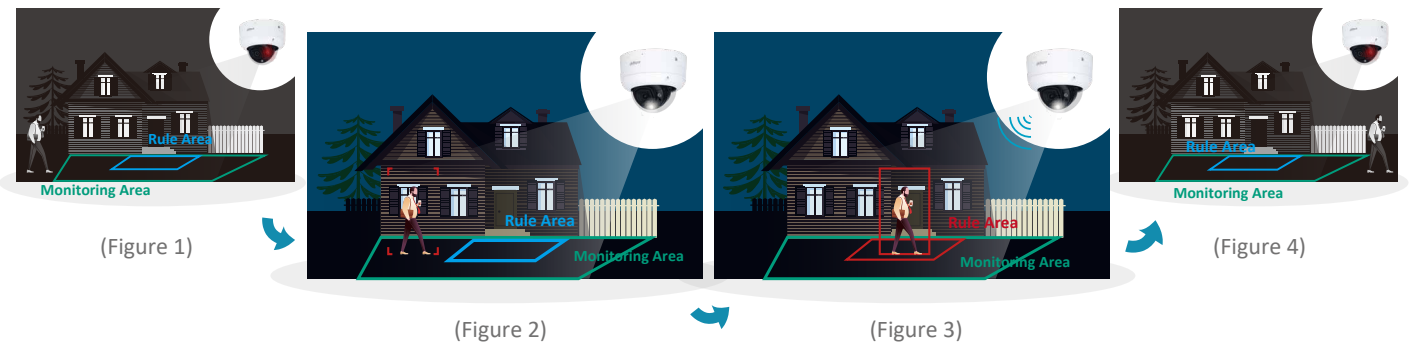## • Siren And Light Active Deterrence

It offers a combination of light and sound alarm when the perimeter alarm has been triggered, realizing effective detterence and intervention. The camera has multiple pre-installed voice alarms to choose from and supports custom voice importing. With an enhanced speaker to increase deterrence.

	3.28ft	9.84ft	16.40ft
NEW		93.8	79.0
ORIGINAL	92.6	72.1	58.2

• Smart Dual Illumination

The Dahua Smart Dual Illumination technology adopts deep learning algorithm to detect targets. Usually only the IR illuminator is on at night. (Figure 1) When a person appears in the monitoring area, the white-light LED will be triggered and turned on so it can record all key events in full color. (Figure 2) The active alarm will also be triggered when the target is in the rule area for warning purpose. (Figure 3) When there's no target in the monitoring area, the white light turns off and the IR illuminator turns back on, which significantly reduces light pollution in the area. (Figure 4)

(Figure 1)

(Figure 2)

(Figure 3)

(Figure 4)

• Artificial Intelligence

Smart Dual Illumination Camera is equipped with AI Technology functions, including face detection, perimeter protection, people counting, and SMD Plus which greatly improve the accuracy of video analysis. Specific firmware supports mask detection and flow control.

Face Detection

Face detection supports real-time face capture, at the same time, it can automatically detect if a person is wearing a mask.
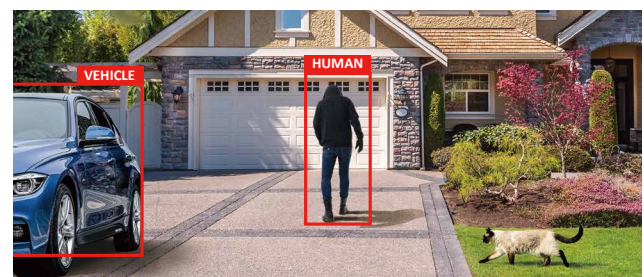

Perimeter Protection

It can recognize human and vehicle accurately. In restricted area, the false alarms of intelligent detection based on target type are largely reduced.

People Counitng

It not only provides customers with valuable data for business report analysis, but also reduces epidemic infections caused by gathering of people.

Smart Motion Detection

Smart Motion Detection utilizes AI technology to identify only humans and vehicles. It sends an alarm only when a person or vehicle is detected within the scene, effectively reducing false alarms.

• One-tap Disarming

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.

APP to View and One-tap Disarming

Disarming

• Two-way Voice Intercom

When the alarm is triggered, it activates a white-light illuminator and the built-in mic and speaker, which allows a two-way talk directly from the camera side and PC or mobile device.

Two-way Talk

| Recommended Models

IPC-HDBW5241R1-AS-PV
IPC-HDBW5541R1-AS-PV

IPC-HDW5241H-ASE-PV
IPC-HDW5541H-ASE-PV

· 2/5MP
· Smart H.265+/H.264+
· Starlight (5MP) /Starlight+ (2MP)
· Warm light + infrared light
· 1/1 Alarm in/out, 1/1 audio in/out
· Built-in mic and enhanced speaker
· IP67, IK10 (Dome), ePoE (Eyeball)
· All metal housing

AI Technology

· Face detection
· People counting
· IVS and SMD Plus

Active Alarm

· Siren and light alarm
· One-tap Disarming
· Two-way voice intercom

Smart Dual Illuminators

· IR mode
· White light mode
· Smart illumination mode