

Wiz Mind **S**

alhua
TECHNOLOGY



Our new after-sales
policy includes a
'1 for 2' offer

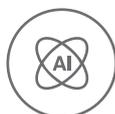


WizMind S Series

Smarter Vision, Greater Protection



Deeplight Low
Illumination Technology



Multiple AI Functions
(including AcuPick)



Anti-Corrosion Coating
(NEMA 4X-Rated)



Self-Learning
Algorithm

Overview

Dahua's **WizMind S Series** takes the user experience to a whole new level in terms of excellent image quality. This series of cameras is equipped with multiple intelligent functions, offering reliable adaptability and better image performance, while providing global clients with smarter vision and greater protection. Each camera also comes in plastic-free packaging, promoting environmental sustainability whilst providing better image performance.

Key Features

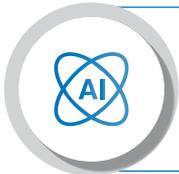
Excellent Image Quality



Captured through an array of image-enhancing technologies that address complex security challenges.

- AI-Powered Images
- Deeplight
- Image Distortion Correction

Multiple AI Functions



With exceptional analytical capabilities, the AI functions can fully support business practices and user management.

- AcuPick
- Video Metadata
- Perimeter Protection
- People Counting

Reliable Adaptability



Providing more accurate light input control, whilst supporting an operating and storage temperature range of -40°C to $+60^{\circ}$ and max. 18m and 80dB single sound source pickup, WizMind S is the perfect solution for harsh environments.

- Anti-Corrosion Coating (NEMA 4X-rated)
- P-Iris*
- Dual-Mic*
- Heater*

* Only H models from the IPC WizMind S series

Perimeter Protection & Self-Learning



This new AI feature improves the cameras performance over time, without requiring explicit programming. The advanced algorithm learns from data to identify patterns and make decisions with minimal human intervention. Users or installers can detect false alarms, with the device analysing recorded frames to learn and prevent similar false alarms in the future.

In complex scenarios, perimeter protection may generate false positives. However, with the self-learning function, the algorithm can identify and reduce these false targets, decreasing the rate of false positives.

AI-Powered Images

The AI-Powered Image feature offers AI technology that significantly improves the clarity of the whole image in various environments, especially under low-light, backlight or night-time conditions.

Low Illumination

With the AI-Powered Image feature, image quality at night is improved.

- The overall brightness of the video footage at night is more balanced, providing clear and visible images in low-light conditions.
- Key targets (e.g. humans and vehicles) can be focused on, using an intelligent deep-learning algorithm to remove noise and restore details.



WDR

Due to different installation positions and lighting, a strong contrast between brightness and darkness might occur (e.g. backlight).

With WDR enabled, the IPC WizMind S series can flexibly adjust overexposure and underexposure, making moving objects clearer and more visible.



Deeplight

The IPC WizMind S series has upgraded its low-illumination technology, Starlight and Starlight+, into a more advanced technology, Deeplight. Cameras with Deeplight use a deep-learning algorithm to process images, effectively reducing noise and achieving better images with higher clarity in environments with low illumination or at night-time.

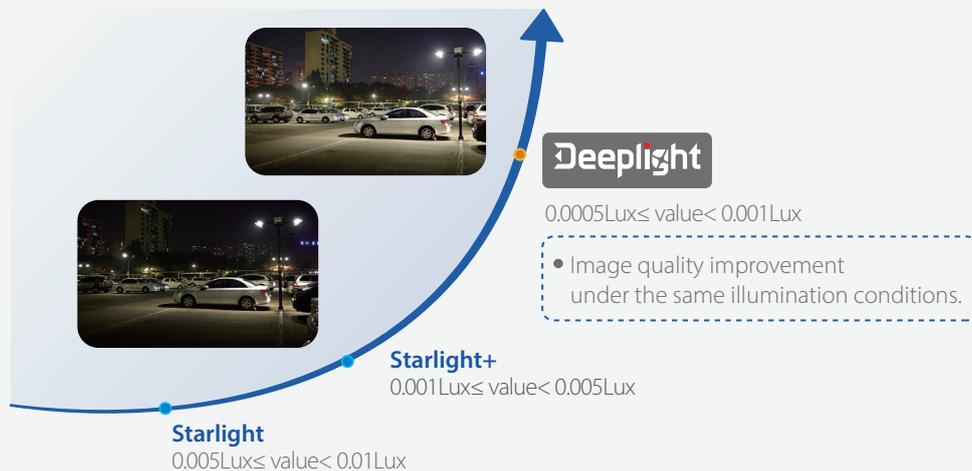


Image Distortion Correction

The IPC WizMind S series is equipped with an Image Distortion Correction function that adopts a correction algorithm, making each frame of video footage more natural and realistic.



• Plain correction effect and more loss in FOV when LDC is on.



• Better correction effect and less loss in FOV when LDC is on.

AcuPick

Dahua have effectively utilised both front-end and back-end intelligence to create AcuPick, a true video search engine that can help you quickly locate the information you need. AcuPick can easily find a lost individual or locate a specific vehicle with just one click.



Application Scenarios

• **Shopping Centre:**

Locate relevant video information to immediately find the specific person, e.g. a lost child.

• **Car Park:**

Quickly extract culprits, identify and locate videos of targets that can be used as evidence.



Video Metadata

As a new AI function in the IPC WizMind S series, Video Metadata utilises a deep-learning algorithm to detect and capture images of targets (humans, vehicles and non-motor vehicles). Video Metadata selects the images with the best quality and extracts relevant attributes. Reports on target numbers can be exported daily, weekly, monthly and yearly.



• Metadata on humans, vehicles and non-motor vehicles.



• Export reports of flow statistics.

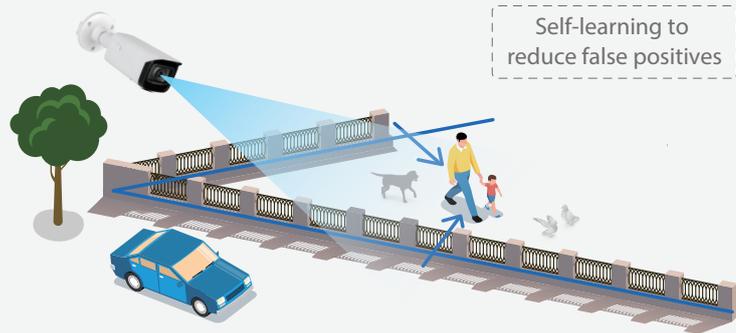
Application Scenarios

- **Traffic:**
Export statistics of humans, vehicles, and non-motor vehicles.
- **Entrance/Exits:**
Export and analyse events at a residential complex.



Perimeter Protection & Self-Learning

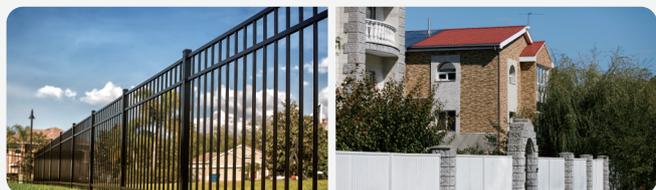
Powered by a deep-learning algorithm, the Perimeter Protection technology within the IPC WizMind S series can recognise human and vehicle targets accurately. It can provide users with rich detection types that deal with different applications, such as tripwire, intrusion, fast moving, parking, loitering and gathering.



In more complex scenarios, perimeter protection can generate false positives. However, utilising the perimeter self-learning function, the algorithm will identify similar false targets, reducing the rate of false positives.

Application Scenarios

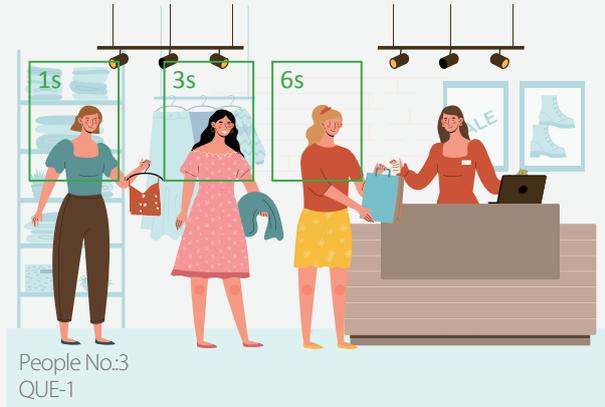
- **Perimeter Fence:**
Real-time monitoring and trespass alarm.
- **Residential Area:**
Safeguard private properties.



People Counting

People Counting can detect moving targets and generate accurate statistics. Three supported modes include People Counting, Line Crossing, People Counting in an Area and Queue Management. Each mode can set 4 rules and the statistic reports can be stored and exported by day, week, month or year.

* People Counting and Line Crossing reports can be stored for up to one year. People Counting in Areas and Queue Management reports can be stored for up to one month.



Application Scenarios

• Retail:

Generate accurate data reports for business analysis.

• Amusement Parks:

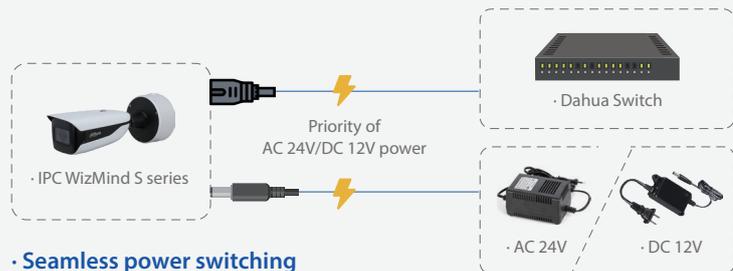
Count the number of people and give warnings in advance.



Reliable Adaptability

Dual Power Backup

When a Dahua switch and power adapter (DC or AC) are connected at the same time, and one of the power supplies cuts out, the IPC can automatically switch to another source without restarting, therefore ensuring continuous operation of the device and preventing video loss.



Anti-Corrosion Coating

The anti-corrosion coating enhances the camera's durability, resistance to moisture and reduces the need for maintenance. This is vital for prolonged performance and cost savings in challenging environments.

* This camera is NEMA 4X-rated.



Other Cameras



Dahua's WizMind S (IPC5-S3) Cameras

After-Sales Service Policy (1 for 2)



The WizMind S series cameras (IPC5-S3) have been significantly upgraded, leading to a revision of our after-sales policy. This new policy includes a '1 for 2' offer – if an IPC5-S3 camera fails to function as intended due to non-user-induced water ingress within five years of purchase, the affected camera will be replaced with two cameras of the same model. This initiative aims to enhance customer satisfaction and reinforce trust in the durability of our products, highlighting our commitment to providing robust and reliable security solutions.

Reliable Adaptability

Plus



IPC-HFW5442H-ZHE/Z4HE
IPC-HFW5842H-ZHE/Z4HE



IPC-HDBW5442H-ZHE/Z4HE
IPC-HDBW5842H-ZHE/Z4HE

P-iris

Provides more accurate light input control.

Dual-Mic

Supports max. 18m and 80dB single sound source pickup.

Heater

Supports operating and storage temperature range of -40°C to $+60^{\circ}\text{C}$ (-40°F to $+140^{\circ}\text{F}$).

Recommended Products

Vari-focal Products



IPC-HFW5241E-ZE/Z5E/Z12E
IPC-HFW5442E-ZE/ZHE/Z4E
IPC-HFW5541E-ZE/ZHE/Z5E
IPC-HFW5842E-ZE/ZHE/Z4E



IPC-HFW5442H-ZHE/Z4HE
IPC-HFW5842H-ZHE/Z4HE



IPC-HDW5241T-ZE
IPC-HDW5442T-ZE
IPC-HDW5541T-ZE
IPC-HDW5842T-ZE



IPC-HDBW5442H-ZHE/Z4HE
IPC-HDBW5842H-ZHE/Z4HE

Fixed-focal Products



IPC-HFW5241T-ASE
IPC-HFW5442T-ASE
IPC-HFW5541T-ASE
IPC-HFW5842T-ASE



IPC-HDW5241EM-ASE
IPC-HDW5442EM-ASE
IPC-HDW5541EM-ASE
IPC-HDW5842EM-ASE



Driving Innovation to an **AIoT** Future

*AIoT is the convergence of Artificial Intelligence (AI) and the Internet of Things (IoT) where connected devices meet human interface. This is enabling unlimited possibilities through the integration of connected devices and security solutions.

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Instagram



YouTube



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Partner App



Website