

Wiz Mind

2022 Ver. 1







Empowering Verticals With Leading AI Technology





WizMind

Dahua Technology, with its award-winning deep-learning algorithms, proudly releases WizMind, a portfolio of solutions composed of project-oriented products including IPC, NVR, PTZ, XVR, thermal and software platform, delivering precise, reliable and comprehensive AI solutions to verticals including government, retail, energy, finance and transportation.

- 
Smart City
- 
Retail
- 
Energy
- 
Building
- 
Finance
- 
Transportation

Human Applications

WizMind provides effective AI search to locate targets and generate human-based data for business analysis.



Thermal Applications

WizMind offers ultra-long range surveillance even in harsh environments. It is equipped with intelligent functions such as boat detection and early fire detection.



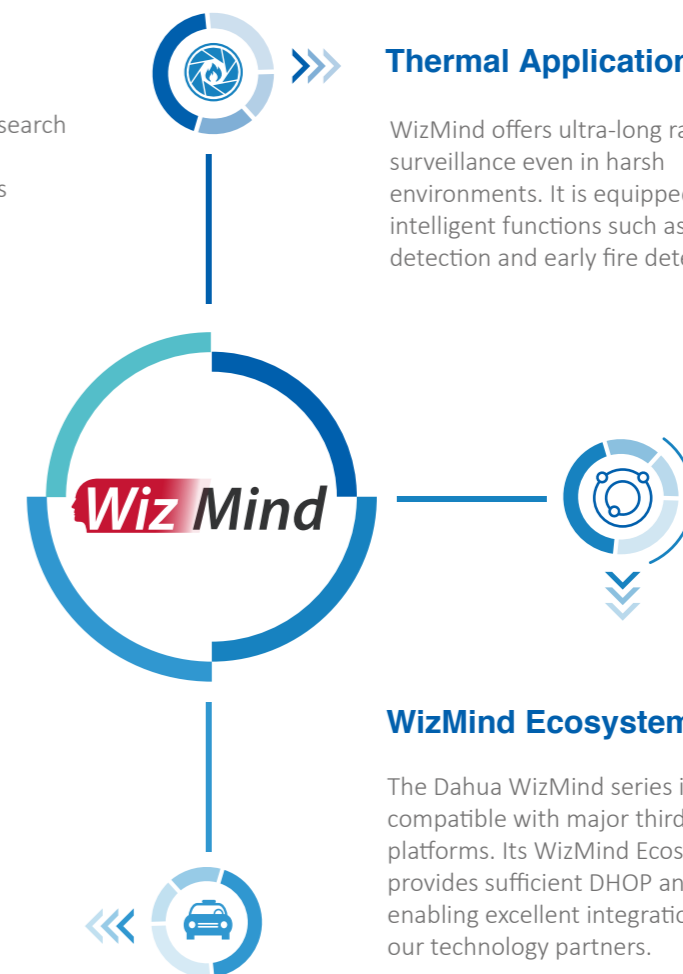
Vehicle Applications

WizMind supports more attributes of vehicles for easy management and control, quick search and efficient business analysis.



WizMind Ecosystem

The Dahua WizMind series is compatible with major third party platforms. Its WizMind Ecosystem provides sufficient DHOP and API, enabling excellent integration with our technology partners.



01 Human Applications UI

- Panoramic Surveillance NEW
- Human Video Metadata 2.0
- Privacy Protection 2.0
- People Counting
- Stereo Analysis
- Smart Tracking



Panoramic Surveillance

Dahua panoramic system is designed for applications which require a panoramic view for situational awareness such as crowd map and vehicle density. Its high-speed PTZ camera and EPTZ technology can quickly and automatically track moving targets without missing target behavior details. It is a perfect solution to replace multiple conventional cameras with just one camera, reducing complexity and saving costs.

Features



Super-wide Coverage with AR

Benefits from the super-wide view, one panoramic camera can replace dozens of conventional cameras, greatly reducing installation, and maintenance costs. Based on AR technology and DSS platform, monitoring can be more perceptive and effective.



Smart Tracking

High-speed PTZ camera supports up to 45x optical zoom and smart tracking. When a rule configured on the panoramic camera is triggered, the PTZ camera can quickly and automatically track moving targets, providing rich details.



EPTZ

EPTZ can simultaneously zoom in and track multiple humans and vehicles (up to 5) when an alarm is triggered, realizing an intelligent function similar to PTZ linkage. In addition to a panoramic view, EPTZ also provides rich details to help users see distant object clearly.



AI Features

Dahua panoramic system supports real-time statistics on the number of people and vehicles and exports reports for analysis, and provide an accurate alarm with Perimeter Protection, Video Metadata and Face Detection.



Application



Scenarios such as squares and urban roads, where a large number of people or vehicles gather, are prone to congestion and safety problems. Dahua panoramic camera supports the monitoring of crowd density, vehicle density and other AI functions, realizing large area management.



Human Video Metadata 2.0

Human Video Metadata technology with deep learning algorithm can detect, track, and capture images of people. It selects the best images and extracts attributes of targets to locate them immediately. We have added targets direction analysis and data statistics technology in version 2.0, which can be used for business analysis. Added PPE Detection which can improve the work safety of employees.



Face

- Gender
- Age
- Glasses
- Mask
- Expression
- Beard



Human Body

- Gender
- Age
- Top Color
- Top Type
- Bottom Type
- Hat
- Bottom Color
- Bag
- Umbrella



Non-motor Vehicle

- Top Color
- Top Type
- Vehicle Type
- Vehicle Color
- Cycling Number
- Helmet



PPE Detection

- Face Mask
- Glasses
- Hard Hat
- Reflective Vest
- Top Color
- Bottom Color

Features



PPE Detection

Detects compliance/non-compliance on wearing personal protective equipment. It can be used to improve the work safety of employees.



Quick Target Search

Admin can search targets using metadata on back-end device or platform and can accurately and quickly locate targets from massive data after events.



Human Video Metadata

It offers up to 20+ human attributes that can pinpoint the appearance of a person.



Statistics

Customers can generate people and non-vehicle statistics, as well as direction data reports for business analysis.

Applications



Main Roads



Plants

Human video metadata can be used to analyze the attributes and data statistics of human, motor vehicles and non-motor vehicles on the road. The local government can utilize this data to efficiently plan better streets. It does not save face image data to protect the privacy of pedestrians and other road users.

PPE Detection can be used to continuously supervise employees' wearing of protective equipment 24 hours a day, improve the safety of employees and reduce labor costs in hiring additional safety personnel.

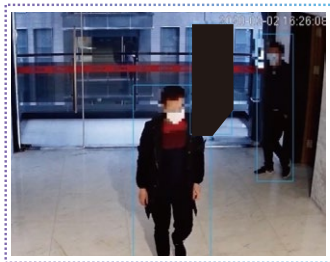


Privacy Protection 2.0

Privacy Protection is designed to protect the privacy and data of human face and body. It is based on deep learning algorithm and complies with GDPR. With the fundamentals of the first version, the Privacy Protection 2.0 offers additional occlusion options (irregular polygons, mosaics, and colored blocks) and allows exporting of non-pixelated images based on specified targets, ensuring the privacy safety of places and people.



 Face mosaic by camera



 Irregular polygons occlusion by camera



 Rich color occlusion by camera

Features



Real-time Privacy Occlusion

Provides real-time privacy occlusion for human face and body regardless of the targets' movements. Users can also choose to export videos with mosaic or the original version.



Non-pixelated Human Targets

Specified human targets from external sources or from local databases can be selected to be non-pixelated, providing privacy and security protection in evidence collection.



Irregular Polygons and Mosaic Occlusion

Supports irregular polygons, mosaic and colored blocks occlusion methods (by camera), making it ideal for a wide-range of scenarios and meeting customers' requirements.

Applications



Nursing Home

In nursing homes, sensitive areas such as bedrooms are not suitable for direct monitoring. With the privacy protection solution, these sensitive areas can be masked by camera, which not only protects the safety of the elderly, but also reduce labor costs.



Courtroom

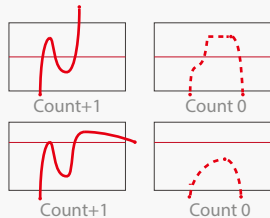
Through the privacy protection system, the witnesses who testify in the witness room are automatically masked with real-time mosaic to protect their privacy and security. It encourages witnesses to testify in court and saves administrator's time from the heavy manual work of of masking people's images to protect their privacy.



People Counting

Dahua People Counting can track and process moving human body targets to realize accurate statistics of people entering, leaving and currently within the monitored area. This intelligent function offers customers with valuable data for business report analysis, providing statistics with up to 98% counting accuracy.

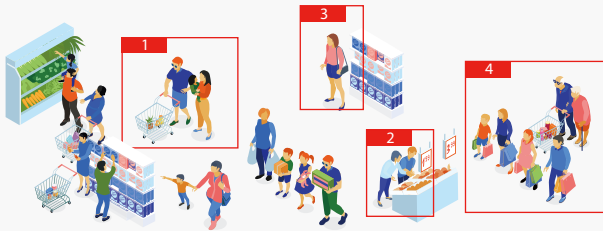
People Counting for Line Crossing



Report export

Dahua People Counting can obtain in-depth information, filter hovering and provide report with high accuracy.

People Counting in Area



Area 1: 3

Area 2: 2

Area 3: 1

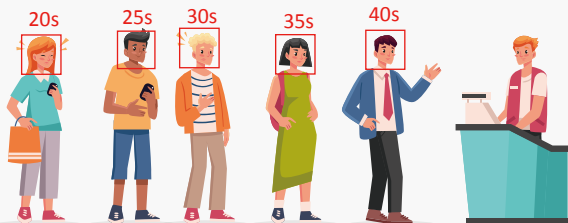
Area 4: 6



Threshold per area: 5

It supports independent detection of up to 4 areas, and detects the changes in the number of people in every area in real time.

Queue Management



Threshold per area: 5



Waiting time threshold: 30s



Dahua Queue Management supports two types of alarms: number of people and waiting time.

Application



Entrance



Checkout Counter

The statistics of daily people count is very important for business analysis. It is one of the most important data for operations managers. This data enables retailers to arrange staff schedule and plan customer-to-staff ratio during peak hours using traffic data. In addition, retailers can also measure the performance of marketing campaigns according to the changes in customer traffic.

With the queue management function, when the number of people or the waiting time reaches the preset threshold, it will alert the manager to open additional checkout counters to serve customers without delay. This enables retailers to deliver better in-store experience and reduce labor costs.



Fall Down

Stereo Analysis

With deep learning algorithm and 3-dimensional technology, the Dahua Stereo Analysis technology offers various functions that can recognize people's behaviors, including fall detection, violence detection, strand detection, and people approach. These features generate alarm signals and trigger linkage alarm.

Features

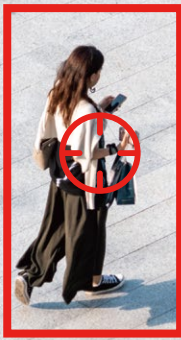


Application



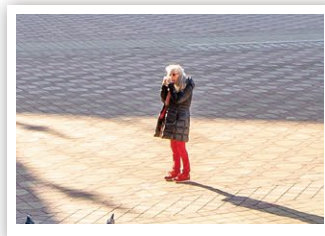
ATM

It provides 24-hour intelligent monitoring that greatly improves monitoring efficiency. When an abnormal behavior occurs, a real-time alarm will be sent to the security personnel, allowing them to act and respond in time.



Smart Tracking

Aside from detecting humans entering a restricted area, smart tracking also automatically track objects all the time. According to different scenarios, Dahua provides different tracking solution with accuracy rate of up to 90%.



◀ Auto Tracking

Features



Auto Tracking

Track any human who enters restricted areas, capture their details and find out the direction of their movements



Bullet-PTZ Tracking

Panoramic and detail views can be utilized simultaneously. The detail camera focuses on humans who are in the monitored area.



Radar PTZ Tracking

Fully achieve 24/7 monitoring through a radar that detects intruders, while PTZ tracks and captures details. RCS technology solves false alarm issues of traditional video surveillance.

Application



Border

Smart tracking technology can monitor 24/7 without missing any details. At the same time, the system can also automatically warn off intruders which can help reduce the number of maintenance personnel in the border, saving manpower and investment of customers.

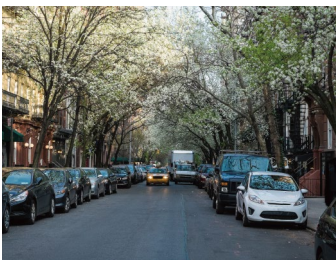
02 Vehicle Applications U2

- Illegal Parking Detection **NEW**
- Parking Space Management **NEW**



Illegal Parking Detection

When a vehicle enters the monitored area, the Dahua Parking Detection technology based on CNN deep learning will capture its images and save metadata. It helps security personnel to ensure smooth traffic, and reduce accidents and property losses caused by illegal parking.



Violation time: 2022-03-26 15:51:10

Violation location: XXXXX Road

Plate No.: HUA1199

Parking Duration: 00:00:23

Illegal Parking Composite Graph

*Illegal parking duration can be set according to demand

Features



Warning Sounds NEW Drive Away

When a vehicle parks in an illegal parking area, the illegal parking PTZ can send a warning voice audio through its built-in loudspeaker to warn the vehicle to leave.



Complete Chain of Evidence

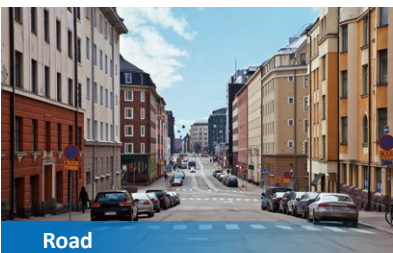
Supports capturing of vehicle images, with license plate number and other violation information overlaid on the image as evidence.



Effective Capturing of Occluded Vehicle

The panoramic camera can monitor every vehicle and forecast their trajectories, while the detail camera tracks and captures the occluded vehicle once its license plate appears.

Application



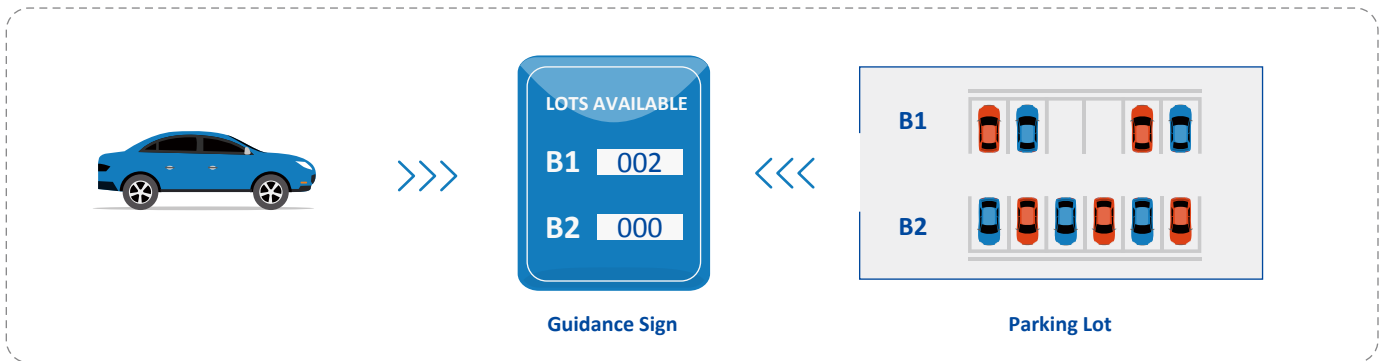
Road

Vehicles parked on and off the road increase the risk of traffic congestion and accidents. Through the deployed camera, 24/7 detection of violation behavior can be achieved, significantly improving monitoring efficiency. At the same time, when an illegal parking has been detected, the alarm linkage can be used to remind the driver to leave on time, thus ensuring traffic safety on the road.



Parking Space Management

With deep learning algorithms, the Dahua Parking Space Management technology can detect parking space usage in each area of the parking lot and display parking space status in real time, greatly improving parking efficiency.



Features



Improves Experience & Reduces Traffic Congestion

It can accurately detect and display parking status, and indicate whether there are available parking spaces, effectively guiding drivers, avoiding traffic congestion, and improving customer parking experience.



24/7 Monitoring

The Parking Space Management based on video technology provides 24/7 monitoring. It can quickly track abnormal events and capture evidence.

Applications



Outdoor Parking Lot



Indoor Parking Space

With increasing number of vehicles and fewer parking spaces, parking difficulty has become an issue. The intelligent parking space management system can guide the driver to quickly find a parking space, saving valuable time, avoiding traffic congestion, and improving the efficiency of parking space utilization.

The indoor parking space management system accurately identifies the parking space status through AI algorithm, and displays the indicator light of different colors to guide the driver to find the free parking space quickly. At the same time, 360° panoramic monitoring is supported to ensure vehicle safety.



Thermal Application

- Industrial Temperature Measurement NEW
- Boat Detection
- Long Range Surveillance
- Fire Detection



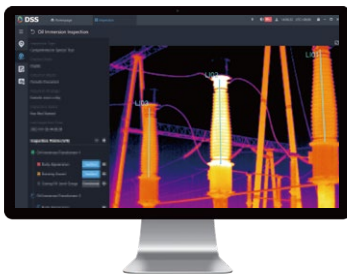
Industrial Temperature Measurement

There is a corresponding relationship between radiation energy and temperature. The different gray values can be used to represent difference in temperature in order to achieve an effective temperature measurement function.

Features

All-weather Temperature Measurement

Thermal imaging temperature measurement can realize all-weather online temperature measurement and fast temperature measurement, which can help discover issues in time and save manpower.

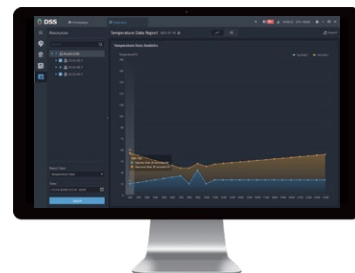


Intelligent Inspection

By editing the device list on the platform and linking it with the temperature measurement camera, users can automatically inspect key devices regularly and display device data more intuitively.

Data Report

Online temperature measurement can automatically store temperature measurement data, making it convenient for users to trace the changes in data history.



Application



There are lots of high-voltage equipment in a substation, which require maintenance work. Under most situations, electrical equipment failure indicates rising temperature. Before the staff get into the substation, it is required to cut off power. Substations are usually located in suburban areas so it requires a lot of time and cost for travelling. Without automatic inspection, the staff have to use handheld equipment which is very time-consuming. Thermal imaging technology can help managers to remotely monitor the operation status of equipment and locate the defective equipment in time.



Boat Detection

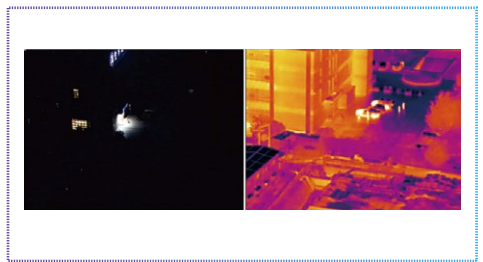
Visibility on the sea and rivers is often poor at night, making it difficult for authorities to get a clear image of the boat. Thermal imaging cameras have inherent advantages in such scenarios. Combined with Dahua's advanced AI capabilities, they can automatically detect and identify boats.



- Multiple Data



- Quick Alarm Prompt



- All Weather

Features



Multiple Data

Dahua thermal camera can simultaneously detect multiple boat data, including height, length, speed, distance, etc.



Quick Alarm Prompt

Once a boat enters the prohibited area, the system will automatically detect it and inform the management department of the alarm information.



All Weather

Under a variety of complex environmental conditions, thermal imaging camera can still effectively detect boats.

Application



Within 3KM from the river bank and the coast, the water level will change with the seasons. There is no supplemental light at night, and the ambient light is natural and dark. Waterway authorities, that need to detect illegal sand mining vessels, must pay extra attention to vessels that are staying in certain water areas. Fisheries authorities are required to strictly control boats entering and leaving ports and water regions during closed season. In addition, illegal activities usually occur at night, which are limited by the dim and complex environment of the water surface.

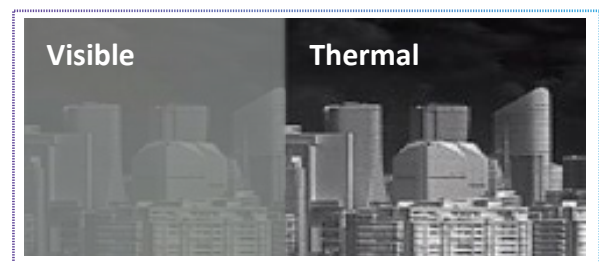


Long Range Surveillance

With deep learning and thermal imaging technology, this camera can realize long distance monitoring that can easily recognize human or vehicle even from far distance. In addition, it is also not affected by environmental factors, enabling it to provide a high contrast thermal image of the scene.



- Ultra long range detection up to 20km



- Tested in foggy weather

Features



Long Distance Detection

The leading thermal imaging technology of Dahua is equipped with ultra long distance detection capability that can spot vehicles (20 km) and human targets (8 km) with fine details.



False Alarm Filter

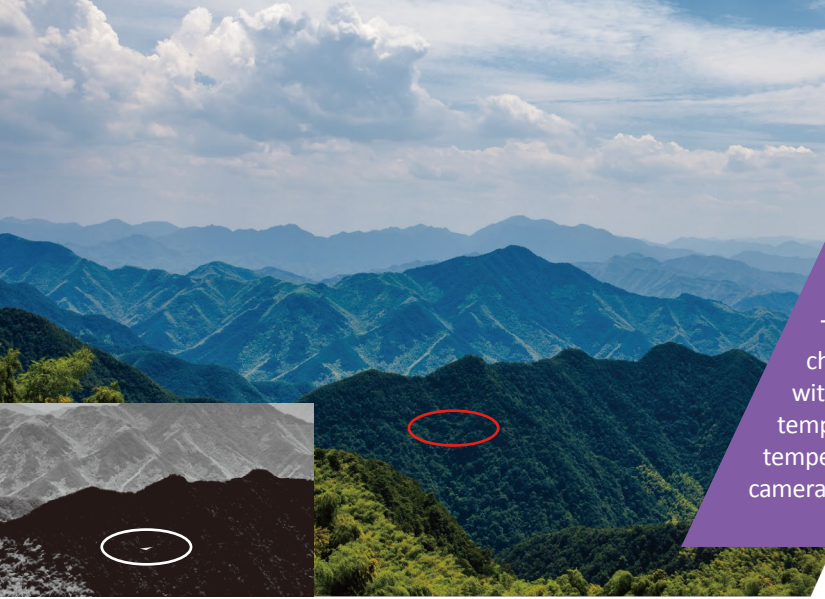
It only receives infrared radiation, and is not affected by environmental factors. It is equipped with built-in deep learning algorithm, and only focuses on alarms triggered by human or vehicle, providing users with more accurate alarms.

Application



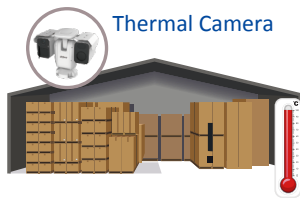
Border

National borders are often in remote areas with complex environments and poor lighting. Traditional video surveillance cannot cover the monitored area in a large scale, nor adapt to all weather conditions. Thermal imaging technology can identify people or vehicles from a far distance and determine in time whether they are intruding the border perimeter.



Fire Detection

Thermal cameras can detect mild differences in temperature change. This feature allows thermal camera to detect objects with a temperature difference compared to the average temperature of the scene. As fires usually have much higher temperature than the surrounding environment, Dahua thermal cameras are able to detect the presence of fire in the scene.



Thermal Camera



Smoke Detector



General Camera

Thermal camera can prevent fire before it occurs

Features



Advanced Fire Detection

Dual-channel monitoring allows thermal cameras to detect early the source of the fire, and visibly track it in the system. It accurately detects the source of the fire through temperature changes and avoids false positives generated by the environment.



Real-time Alarm

Millisecond rapid response; timely sends push notification of accurate fire alarm information to the platform; informs the administrator to take corresponding actions; effectively solves the fire patrol difficulties in a large area.

Application



Forest is a large area covered with trees and underbrush. It is prone to fires during hot weather and thunderstorms. Early detection of forest fire is also difficult to achieve in time. By detecting temperature changes in the forest environment, the thermal imaging cameras can spot fires in time to prevent them from growing out of control and to keep minimal damage as much as possible through timely intervention.

More Features U4

- WizMind Ecosystem
- Cybersecurity



WizMind Ecosystem

The Dahua WizMind series is compatible with major third party platforms. In addition, the WizMind Ecosystem provides sufficient DHOP and API, allowing smooth and efficient integration with technology partners.

Good Compatibility

Compatible with main video management system, like Milestone, Genetec, Axon, Avigilon, ISS, Qognify, Luxriot, etc.

Supports advanced features with Milestone, Qognify, Network Optix, Luxriot and others, such as face recognition, people counting, perimeter protection, and heatmap.

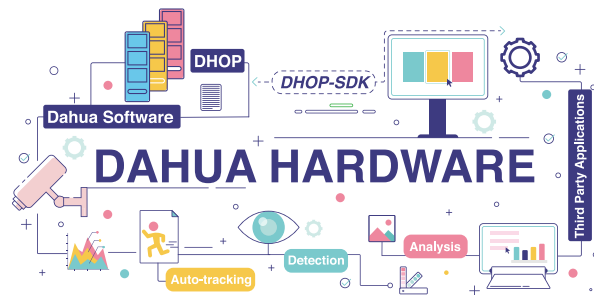
Milestone verified. Dahua heat map, metadata, people counting, face recognition, and plugin are all tested and verified by the Milestone team.



DHOP

• **Dahua Hardware Open Platform** (Wizmind IPC and thermal cameras), allows you to customize the camera based on your actual needs.

- More than 15 existing partners
- More than 18 applications available



Sufficient API

The sufficient API provided by Dahua allows any technology partners to communicate with Wizmind products.

A strong customer support, together with a complete SDK demo and API document are available in our website.

Protects Network Security and Prevents Privacy Disclosure



WizMind IPC - Panoramic Series

PSDW8 Hubble Series



360°
Wide Angle

Crowd Density

Vehicle Density

Smart Tracking

Perimeter Protection

Video Metadata

Face Recognition

- Supports 360°/270°/180° panoramic view
- Supports 32MP/24MP/16MP @30fps
- Supports Crowd Map, Vehicle Density
- Smart Tracking, Tripwire, Intrusion, Face Recognition, Video Metadata
- Starlight technology, IR distance up to 400m



PSDW8 Mini Hubble Series



360°
Wide Angle

Smart Tracking

Perimeter Protection

Video Metadata

Face Detection

- Supports 360°/180° panoramic view
- Supports 16MP/8MP @30fps
- Smart Tracking, Tripwire, Intrusion, Face Detection, Video Metadata
- IR distance up to 100m
- Small size, light weight and easy to install



PFW8 Series



180°
Wide Angle

Crowd Map

Vehicle Density

Perimeter Protection

- Supports 180° panoramic view
- Four 1/1.8" 2MP/4MP/8MP progressive scan CMOS
- Max. 8640x3840/5520x2700 @25fps/30fps
- Supports Tripwire, Intrusion, Crowd Map, Vehicle Density
- EPTZ: Enlarge and track the targets of intelligent alarms



PC-PDBW82041-B360-S2



360°
Wide Panorama

Perimeter Protection

Face Detection


AI Initial
People Counting

FlexStream

- Supports 360-degree panoramic view
- Four 1/2.7" 5MP progressive scan CMOS
- Starlight technology
- Perimeter Protection, Face Detection
- FlexStream: Multi-channel streams can be viewed in one channel simultaneously
- IP67, IK10, POE



PFW5 Series



180°
Wide Angle

AI Initial
People Counting


Quick Pick

EPTZ


Perimeter Protection

Full-Color

- Supports 180-degree panoramic view
- Max. 8MP (4096 × 1800) @25fpsm
- Supports Intrusion, Tripwire, People Counting and SMD 4.0
- EPTZ: Enlarge and track the targets of intelligent alarms



IPC-HDBW5441F-AS-E2




Perimeter Protection

Face Detection

AI Initial
People Counting

FlexStream

- Dual 1/2.7" 4MP progressive scan CMOS
- Starlight technology
- Perimeter Protection, SMD3.0, People Counting, Face Detection
- FlexStream: Multi-channel streams can be viewed in one channel simultaneously
- IP67, IK10, POE





WizMind IPC Dual Lens Series

HDW8341X-BV-3D



- Face Detection
- Perimeter Protection
- Fall Detection
- Strand Detection
- People Approach
- People NO. Error Detection
- Violence Detection

- 3MP Dual Lens
- Supports Stereo Analysis
- Built-in mic, speaker, & siren for active deterrence
- 0.005Lux, IP67, IK10
- 12V DC power output, max. current 165mA



HDW8441X-3D




- People Counting
- Queue Management
- Perimeter Protection
- Face Detection

- 4MP Dual Lens
- Supports People Counting
- Built-in mic, speaker, & siren for active deterrence
- 0.005Lux, IP67, IK10
- 12V DC power output, max. current 165mA




WizMind IPC - 7 Series

71242 Series




- Video Metadata
- Perimeter Protection
- People Counting
- Face Recognition
- Face Detection

- 12MP (4000×3000) @25fps/30fps
- Supports Video Metadata, PPE Detection, etc.
- IP67, IK10, ePoE, Heater
- Five streams for three-channel HD video
- 12V DC power output, max. current 165mA




7842-S2 Series




- Video Metadata
- Perimeter Protection
- People Counting
- Face Recognition
- Face Detection

- 8MP (3840×2160) @25fps/30fps
- Supports Video Metadata, PPE Detection, etc.
- IP67, IK10, ePoE, Heater
- Five streams for three-channel HD video
- 12V DC power output, max. current 165mA



7442-S2 Series




- Video Metadata
- Perimeter Protection
- People Counting
- Face Recognition
- Privacy Protection
- Face Detection

- 4MP (2688×1520) @50 fps/60 fps
- Supports Video Metadata, PPE Detection, Privacy Protection, etc.
- 140 dB, 0.001Lux
- IP67, IK10, Heater
- Five streams for three-channel HD video
- 12V DC power output, max. current 165mA




Dual-Channel Series



- Video Metadata
- People Counting
- Face Recognition
- Perimeter Protection
- Face Detection

- MFW7442K1: 4MP@25/30fps+ 4MP@25/30fps
- MFW7842K1: 8MP@25/30fps+ 2MP@25/30fps
- Built-in dual microphones&Hi-Fi large-diameter speaker
- 12 VDC power output, max. current 165 mA
- Sound and light alarms are generated when an alarm is triggered



WizMind IPC - 5 Series

5 Series Junction Box



- 2/4/8MP smart codec, Starlight+
- WDR, ICR, 3D DNR, AWB, AGC, BLC, EIS, Defog
- Smart IR, IP67, IK10, ePoE
- Alarm in/out: 3/2
- Junction box
- Anti-corrosion coating (optional)



5 Series Vari-focal



- 2/4/5/8MP smart codec, Starlight+
- WDR, ICR, 3D DNR, AWB, AGC, BLC, EIS, Defog
- Smart IR, IP67, IK10, ePoE
- -MF: 50/60fps@1080P



5 Series Fixed-focal



- 2/4/5/8MP, Smart codec, Starlight+
- WDR, ICR, 3D DNR, AWB, AGC, BLC, Defog
- Smart IR, IP67, IK10, ePoE
- -MF: 50/60fps@1080P



5 Series Full-color



- 4/8MP, Smart codec, full-color
- WDR, ICR, 3D DNR, AWB, AGC, BLC, Defog
- F1.0+LED
- Smart IR, IP67, IK10
- ePoE



WizMind Fisheye Series

EBW81242 Series/EBW8842 Series



- 81242: 12MP@25/30fps
- 8842: 8MP@25/30fps
- Built-in dual-array Mic and speaker
- IP67 and IK10 protection
- Supports Fisheye VR



EB81242-PD



- Main stream 2432x2432@20 fps
- Third stream 3008x3000@20 fps
- Supports up to 12 parking space status detection (Indoor)
- 7 indicator colors that can be customized to display the status of parking spaces
- 360° panoramic view without dead angles in its monitoring range, making it cost-effective





WizMind PTZ

SDT5X Series



- Dual-PTZ system
- Time division multiplex
- Powerful optical zoom
- Illegal parking detection
- Auto calibration
- Hi-PoE
- IP67



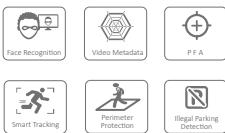
PTZ8 Series



- Powerful 40/48/60x optical zoom
- Starlight technology
- IR distance up to 400m
- Laser distance up to 1000m
- Optical defog
- Optical fiber
- IP67



SD8 Series



- Powerful 40/48x optical zoom
- Illegal parking detection (SD8A only)
- IR distance up to 500m
- Optical image stabilization
- Optical defog
- Smart wiper (SD8A only)
- IP67



SD6 Series



- Powerful optical zoom
- Starlight technology
- Laser distance up to 550m
- Hi-PoE/ PoE+
- Perimeter protection
- IP67



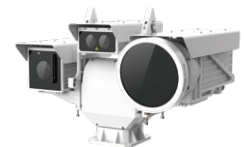
WizMind Thermal

TPC-SD5441 Series



- 640x512/400x300 VOx uncooled thermal sensor technology
- Athermalized lens (thermal), focus-free
- 1/2.8" 4Megapixel progressive scan CMOS
- Powerful 45X optical zoom
- Supports tripwire, intrusion
- Supports cold/hot spot trace

TPC-PT9621C Series



- 640x512 VOx cooled MCT FPA
- Up to 900mm thermal lens
- 1/1.9" 2Megapixel progressive scan CMOS
- Up to 60X optical zoom
- Supports tripwire, intrusion
- Supports human/vehicle classification
- Supports laser range finder

TPC-PT8641C Series



- 400x300/640x512 VOx uncooled FPA
- Athermalized lens (thermal), focus-free
- 1/1.9" 4Megapixel progressive scan CMOS
- Up to 60X optical zoom
- Supports tripwire, Intrusion
- Supports fire detection & alarm
- Supports human/vehicle classification
- Supports auto tracking

TPC-PT8641D Series



- 400x300/640x512 VOx uncooled FPA
- Athermalized lens (thermal), focus-free
- 1/1.9" 4Megapixel progressive scan CMOS
- Powerful 56X optical zoom
- Supports optical defog, optical image stabilization
- Supports tripwire, Intrusion
- Supports fire detection & alarm
- Supports cold/hot spot trace
- Supports human/vehicle classification
- Supports auto tracking

TPC-SDA8641 Series



- 400x300/640x512 VOx uncooled FPA
- Athermalized lens (thermal), focus-free
- 1/1.8" 4Megapixel progressive scan CMOS
- Powerful 45X optical zoom
- Supports thermal & visible linkage
- Supports fire detection & alarm
- Supports sound and light alarm
- Supports human/vehicle classification
- Supports auto tracking

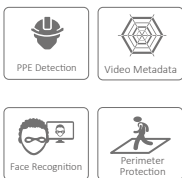
TPC-PT8441MA-T Series



- 400x300/640x512 VOx FPA
- 1/1.8" 4MP progressive scan CMOS
- Supports optical defog, electronic image stabilization
- Supports temperature measurement
- High precision coding PT unit
- Supports cold/hot spot trace
- Supports human/vehicle classification
- Supports auto tracking

WizMind IVSS & NVR

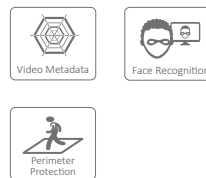
IVSS7000-M Series



- Up to 256 channel IP video access
- Up to 24-ch 1080P@30fps decoding
- Up to 512/384/128Mbps Incoming/Recording/Transmission network bandwidth
- Up to 16 AI Chips, which satisfies various project requirement
- Up to 12-ch Face Recognition/12-ch AI IVS/12-ch Video Metadata (One AI Chip)



NVR5000-I/L Series



- 16/32/64 channel IP video access, 2/4/8 HDD
- Max 320Mbps incoming bandwidth (when AI function is disabled)
- Supports max resolution up to 16MP
- Up to 4 Channel video metadata
- Up to 4 Channel video stream face recognition
- Up to 16 face pictures/sec processing
- Up to 12 Channel perimeter protection



ENABLING A SAFER SOCIETY AND SMARTER LIVING

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*Design and specifications are subject to change without notice.

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