Leading The Era Of Intelligent Panoramic Surveillance

Wide area security system

Wiz Mind

Wide Coverage

Incredible Image

Powerful Capability

What is Wide Area Security?

Wide monitoring coverage, smart tracking, high business linkage, and cost saving requirements have become more and more important when designing surveillance solutions. It is also gradually becoming the focus of concerns for users. The Dahua WizMind panoramic system is designed for scenarios that require a panoramic view and high-speed PTZ camera for situational awareness. With its all-in-one design, AR technology and AI functions such as Crowd Density and Vehicle Density, it offers a perfect solution to replace multiple conventional cameras, reduce complexity, and save installation and maintenance costs. It can be widely used in safe city, smart traffic, business parks and other industries.

Solution Advantages

• Panorama With Detail
With 40x optical zoom, both panorama and detail images are both considered without missing target behavior details.

Panoramic Image · 40x Optical Zoom · Detail Image

• Smart Tracking
It classifies human and vehicle targets and filters out false alarms caused by animal, lights, etc. More details can be seen with high magnification zoom lens.

Panoramic Image · Smart Tracking · Detail Image

• Crowd Map
Counts crowd number and density distribution in real time. It can quickly trigger alarm linkage to alert monitoring personnel to disperse the crowd to prevent accidents caused by congestion.
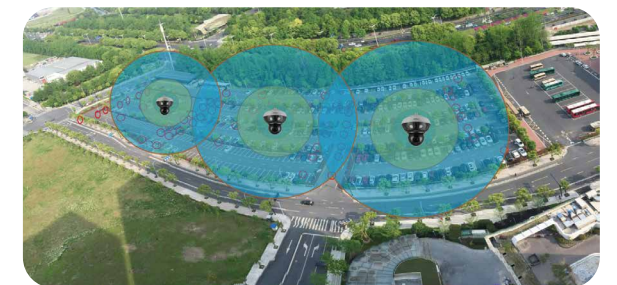

In Real Time

• Vehicle Density
Counts vehicle number and congestion condition in real time. It can promptly give alarms caused by vehicle congestion to help transport department to formulate the corresponding traffic policy.

• One Machine, Multiple Use
One panoramic camera can replace multiple conventional cameras, greatly reducing installation, wiring and maintenance costs.

• High Business Linkage
Based on AR technology and resources integration, it transforms plane GIS to 3D real scene, making it easier to perceive for a better user experience and more efficient application.

Application Scenarios

Square   Airport   Enterprise Campus   Road Traffic   Urban Vantage Point   Parking Lot

Products Series

WizMind Multi-Sensor Hubble Series

PSDW82442M-A270-D440 `Coming Soon`

PSDW81642M-A360 / PSDW8842M-A180

• Support 180°/ 360° 270°/ panoramic view
• Support 8MP / 16MP / 24MP resolution
• Smart H.265+/ H.264+ to save bandwidth and storage costs
• IR distance up to 400 m
• Smart tracking, Tripwire, Intrusion
• Support Crowd Map, Vehicle Density

WizMind 32MP Panoramic Bullet Camera

IPC-PFW83242-A180

• Four 1/1.8" 8MP progressive scan CMOS
• Smart H.265+/H.264+ to save bandwidth and storage costs
• Max 30fps@8192×3840
• Support 180-degree panoramic view
• Support Perimeter Protection, Crowed Map, Vehicle Density

WizMind 8MP Panoramic Bullet & Dome Camera

PDBW8840-A180 / IPC-PFW8840-A180

• Four 1/2.8" 2MP progressive scan CMOS
• Smart H.265+/H.264+ to save bandwidth and storage costs
• Max 30fps@4096×1800
• Support 180-degree panoramic view
• Support Perimeter Protection, Crowed Map, Vehicle Density

WizMind 4*5MP Panoramic Dome Camera

IPC-PDBW82041-B360 `Coming Soon`

• Support 360-degree panoramic view
• 4*5Megapixel progressive scan CMOS
• Smart H.265+/H.264+ to save bandwidth and storage costs
• Perimeter Protection, Face Detection
• FlexStream, four channels steams viewed in one channel simultaneously

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＊Design and specifications are subject to change without notice.