

VIVOTEK EMEA

Key Solutions

Presenter: Diego Perissinotto

May 21, 2024





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About Us

We're a global, Technology-Driven IP surveillance solutions provider, delivering trusted security, control, and management solutions covering a wide range of applications.

Global Employees:

1,300+

Revenue:

US\$ 296
million

(fiscal 2023)

VIVOTEK

IPO: 2011 (TWSE: 3454)

Headquarters: New Taipei City, Taiwan

Joined Delta Electronics in 2017

Global Employees:

83,000+

Revenue:

US\$ 12.3
billion

(fiscal 2022)

 **DELTA**

(Taiwan Stock TWSE: 2308)

Headquarters: New Taipei City, Taiwan

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Global Operations

Based in Taiwan, we're ready to support our partners and clients anywhere around the world.



Global Brand. Local Service.

7 offices

120+ countries

200+ distributors

100+ strategic partners



Business Focus

By delivering data, knowledge, and insights the world can rely on, we've been advancing the IP surveillance industry for decades.



Innovation

Our solid R&D foundation drives intelligence and technological innovations.



Production

All VIVOTEK surveillance cameras and devices are designed and made in Taiwan.



Reliability

We enhance safety and security by delivering trusted insights.



Technology Focus

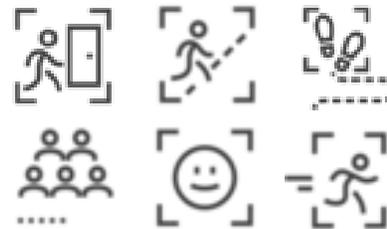
Technology, R&D has long been our hallmark, because we believe smarter is safer.



Image Quality

Make It **Clear!**

With 24-year experiences, improving image quality with tech based on human perception.



AI Tech

Make It **Smart!**

AI analytics and deep learning are deployed in our supreme and value models, achieving highly accurate detection of objects and attributes.



Cloud Service

Make It **Feather-light!**

With service and user experience in mind, providing cloud storage with intuitive information access.



Technology Focus

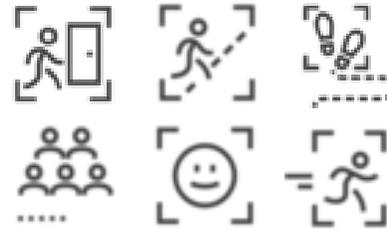
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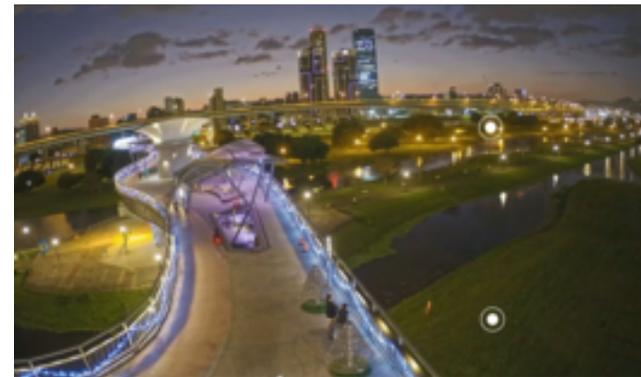
TOP TIER DESIGN: Easy installation



Image quality

Hassle-free housing

- Drive down the installation labour cost with modular housing.



Superior image quality

- Amazing visibility in low light and wide dynamic range.
- Great bit rate control to save bandwidth and storage.



Portfolio

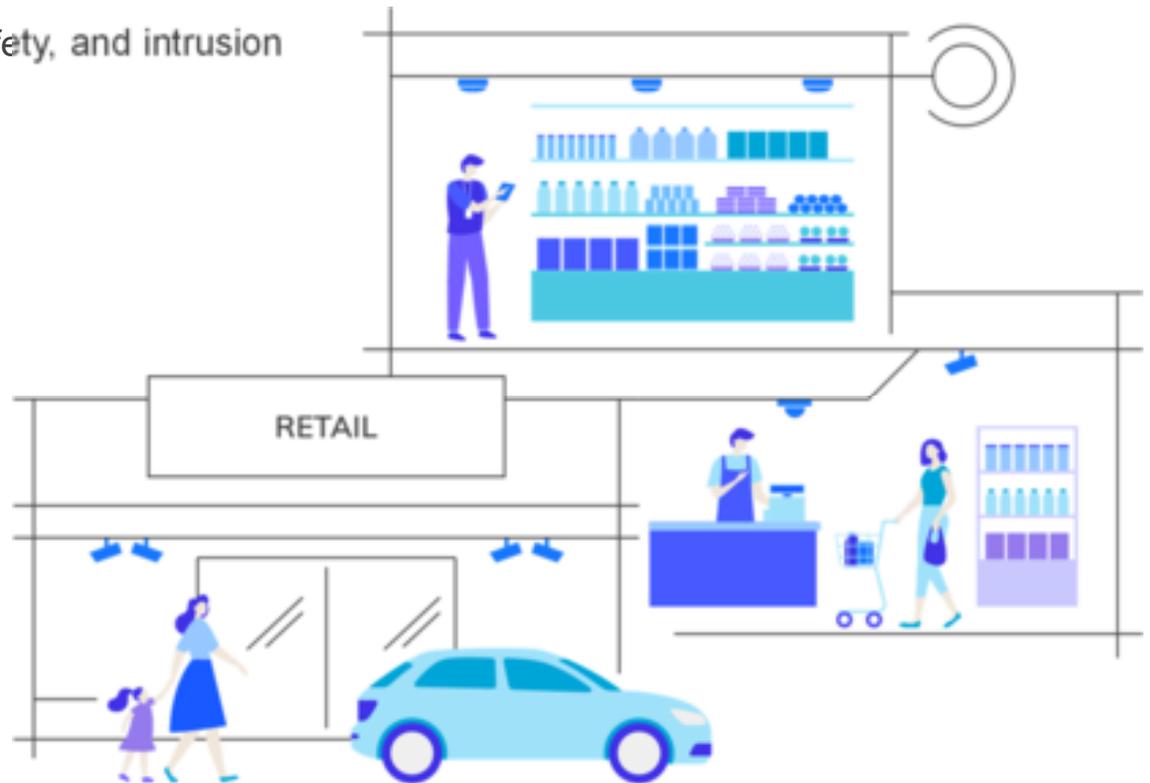


B2B – SMB - Enterprise Total Solution

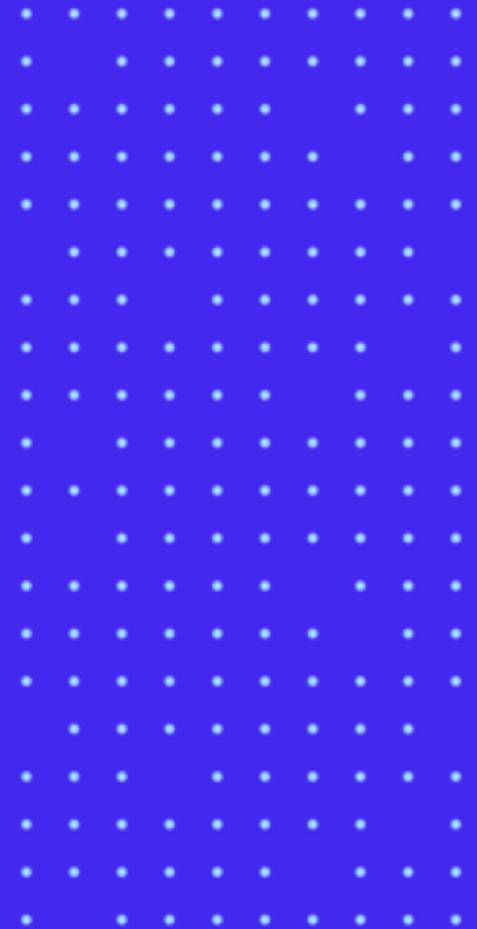
Protection of property, information, personal safety, and intrusion prevention. Why VIVOTEK Total Solution?

Our surveillance solution offer:

- Quick setup at competitive cost
- 24/7 remote monitoring (cloud App and Portal)
- Protected for cybersecurity & NDAA
- Efficient and fast search (Deep Search)
- Extendable integration possibilities (ND + VSS)



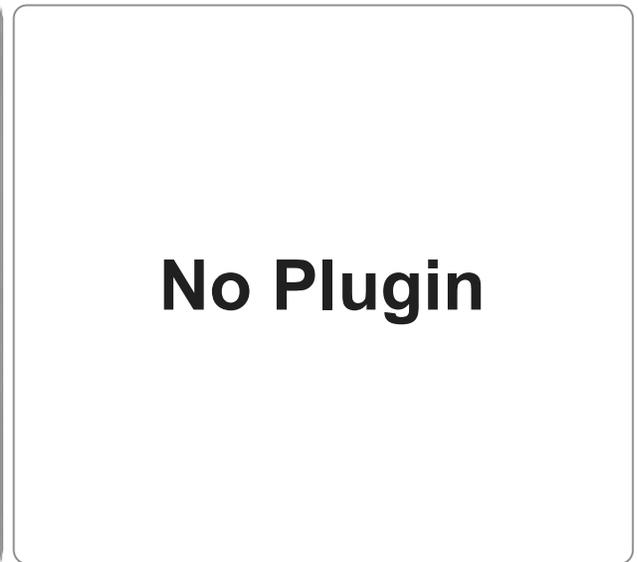
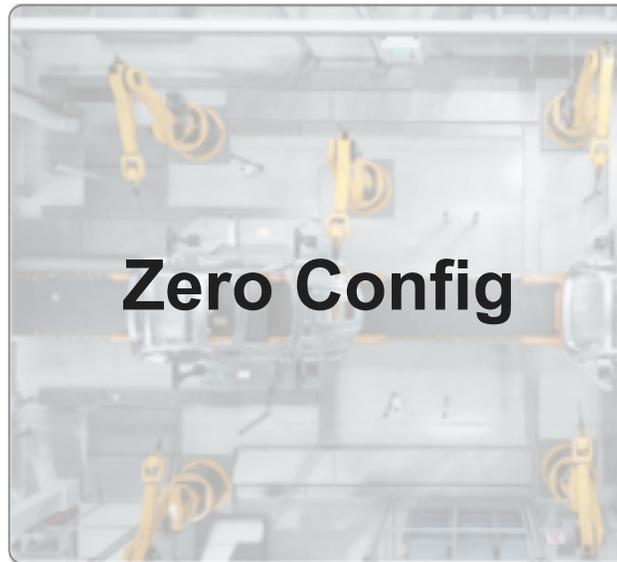
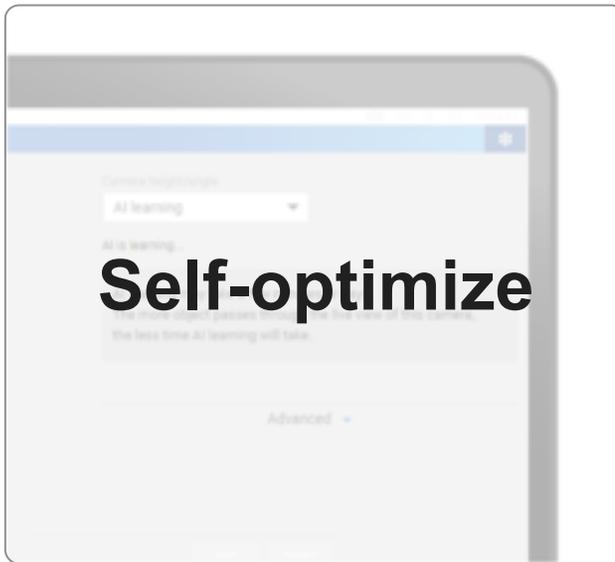
AI and Edge Technology





VIVOTEK Analytics = Easy

Happens without you realizing it.





IT9389-H-v2

Not secure | 192.168.1.201/home.html

VIVOTEK IT9389-H-v2

Profile name: Max

Manual triggers

PTZ control: Digital

03:00:00 03:00:00 03:00:00 03:00:00



Camera height/length

AI learning

AI is learning...

AI learning may take a few minutes or days.
The more object passes through the live view of this camera,
the less time AI learning will take.

Advanced

Powered by VIVOTEK

Home Control



VIVOTEK Video Content Analytics

Our next-generation video analytics suite runs on our proprietary neural network powered detection engine, leveraging our extensive experience and vast image databases. With edge-based applications, the image analysis takes place within the cameras themselves.



Intrusion Detection



Loitering Detection



Line Crossing Detection



Unattended Object Detection



Missing Object Detection



Face Detection



Crowd Detection



Running Detection



Parking Violation Detection



Restricted Zone Detection



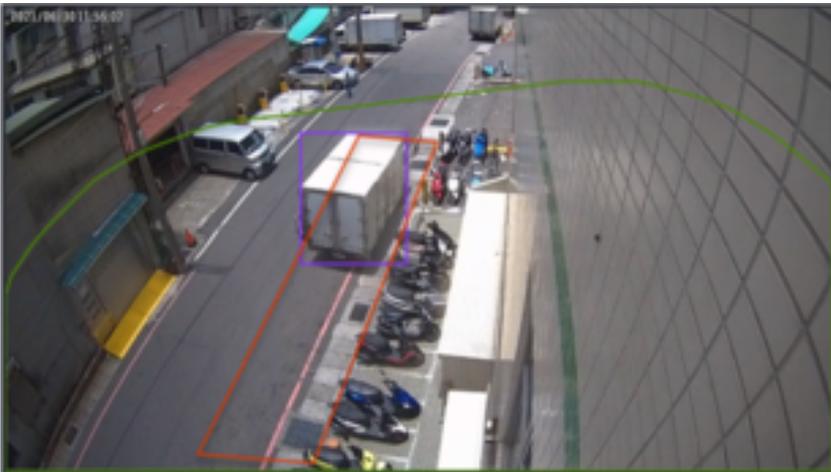
Smart Tracking Advanced



Smart Motion Detection

VIVOTEK Parking Violation Detection

Parking Violation Detection can detect when vehicles stop inside a restricted area. Application scenarios include cars parking in restricted areas at the airport, bus & train stations, and bicycle lanes. Reduce traffic congestion through detecting illegally parked vehicles. [Webpage](#)

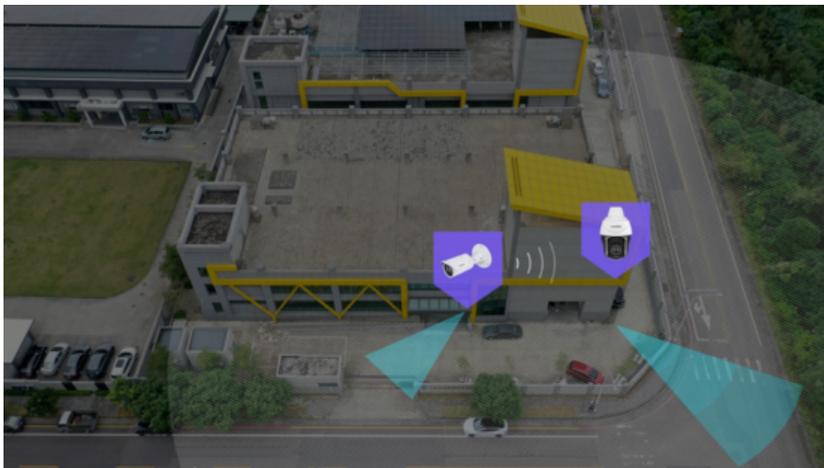


- Accurate and automatic detection
- Real-time notifications for immediate alerts
- Reduce illegal parking and traffic congestion



Camera Link Technology

Inter-camera communication to capture more details. [Webpage](#)



- Spotter camera detects activity at a pre-set location
- Alerts PTZ cameras to zoom onto pre-set location
- PTZ cameras capture clearer details
- Applicable in the environments without a VMS system or cameras are installed far away from the VMS workstation
- Applications: Large parking lots, shopping malls, airports, warehouses, etc.



Cybersecurity at The Edge-NDAA



Secure Boot

Secure boot is a mechanism that protects the firmware of the product installed by VIVOTEK. During the camera boot up process, secure boot ensures that unauthenticated code is rejected and protects the camera system from attacks or infections by malicious external code.



Signed Firmware

VIVOTEK's signed firmware requires a digital signature in the firmware and verification of the signature by VIVOTEK, thereby ensuring that users can trust the firmware has not been tampered with. A device with signed firmware can validate the firmware before allowing installation.

Secure VADP

Digital signature and encryption capabilities: safer and more reliable for third-party integration.

Secure Console

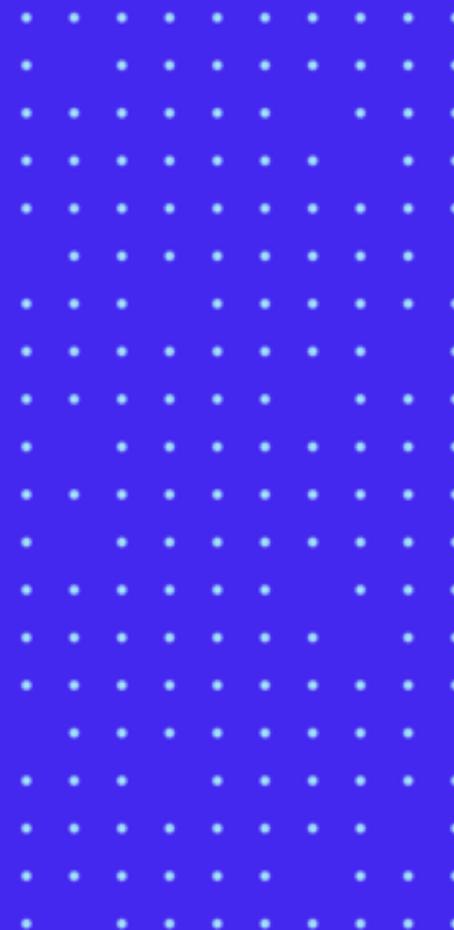
Console disabled from the SSH and SFTP protocol. Permission from VIVOTEK with key based authentication

Anti-intrusion Software



[Webpage](#)

Main solutions





87-V3 Series

5MP AI Camera for Any Location in Any Situation



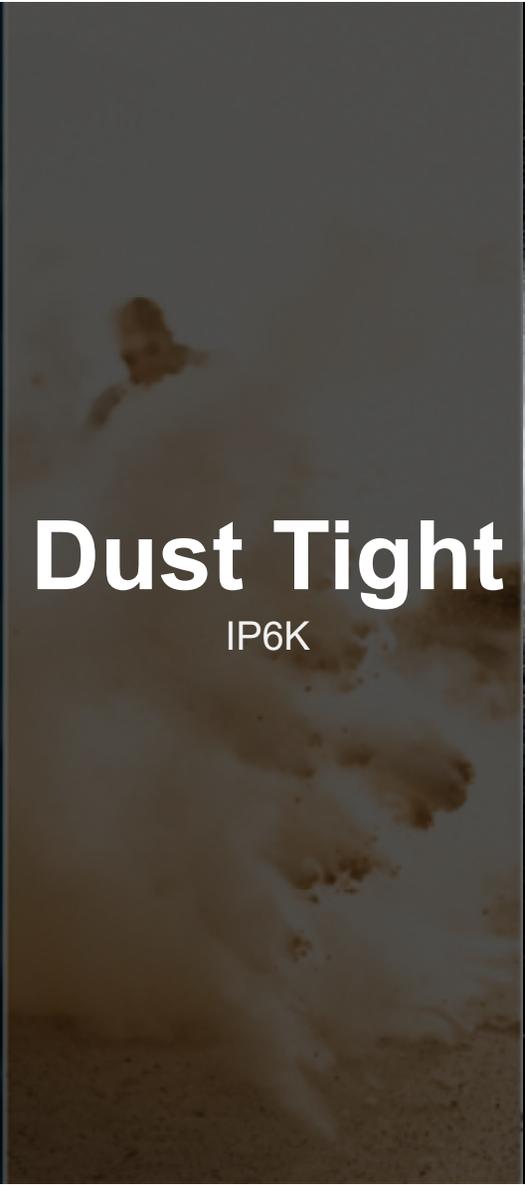
Corrosion Proof

NEMA 4X



Vandal Proof

IK10/IK10+



Dust Tight

IP6K



High Pressure Steam

IP9K



Newly design

Multiple options for pixel size

Enhanced night vision with IR

Faster and accurate in position

Easy Installation Wall mount bracket

Intelligent Security

AI capability enabled

Assists to track threat

Multi-task for smarter security

Robustness

Water & Vandal proof

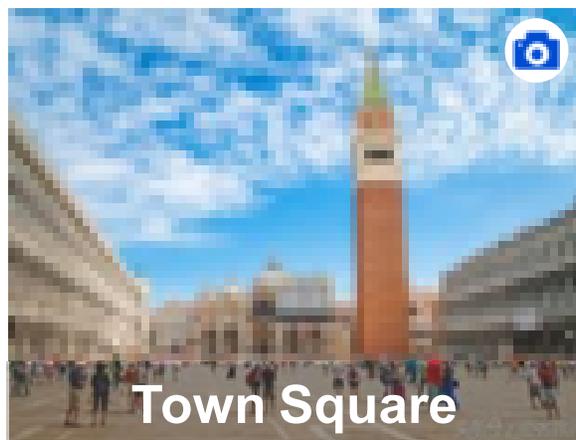
NEMA 4X certificated

Wide temperature



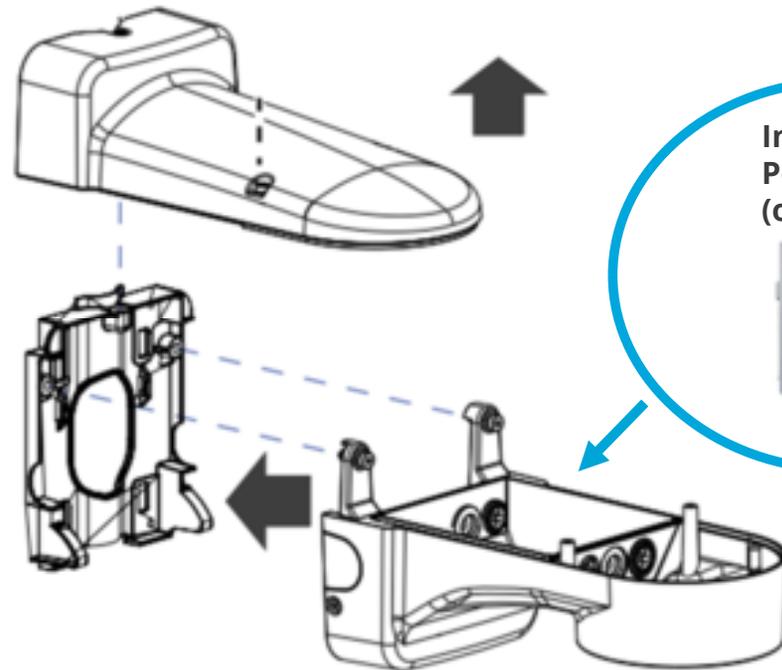
Multi-task for smarter security

More actions for each preset,
more ways to protect your property





Easy installation wall mount - AM-21P



LPR – Access Control





Edge LPR Solution



IB9387-LPR-V2

Embedded LPR Software, Wiegand Protocol, Widely Supported Countries



LPR



TrueVision Smart Stream
Full Security



SD



Smart IR



1080P Day



IP9165-LPR-V2Kit (Street)

License Plate Recognition Solution (60MPH/96km/hr), I-CS



iCS



3 Lanes



Anti-Glare



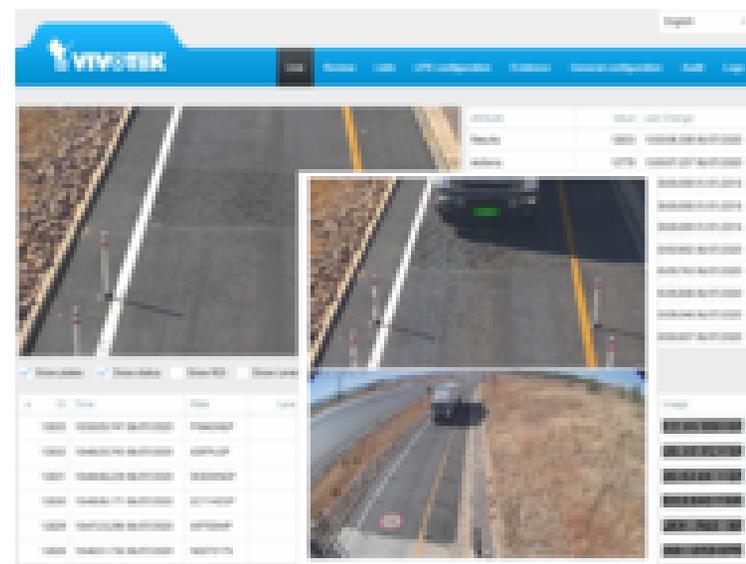
60 MPH



Recognition
99%

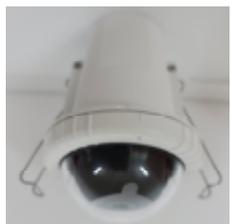


8MP





FD9182-H Recessed installation



Banking



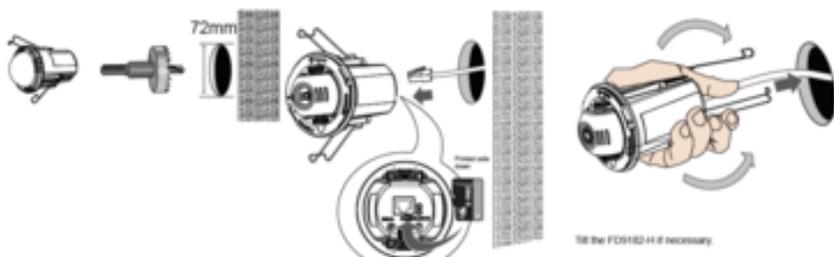
Retail



Lobbies



Boutique shops



Tilt the FD9182-H if necessary.

Confidential

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Mini Dome-FD9166-HN/FD9366-HV



All rights reserved.



Panoramic Solution

CC Series

Retail, Education,
Residential, Banking,
Commercial,
Healthcare, Hospitality



1.4M



Lens x1, 2/5MP

M59390-EHV-V2

Transportation, Education,
Parking, Restaurant,
Industrial, Healthcare,
Hospitality



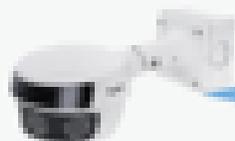
30M



Lens x2, 8MP

M59321-EHV-V2

Airports, Transportation,
Education, Parking,
City/Government,
Critical Infrastructure



30M

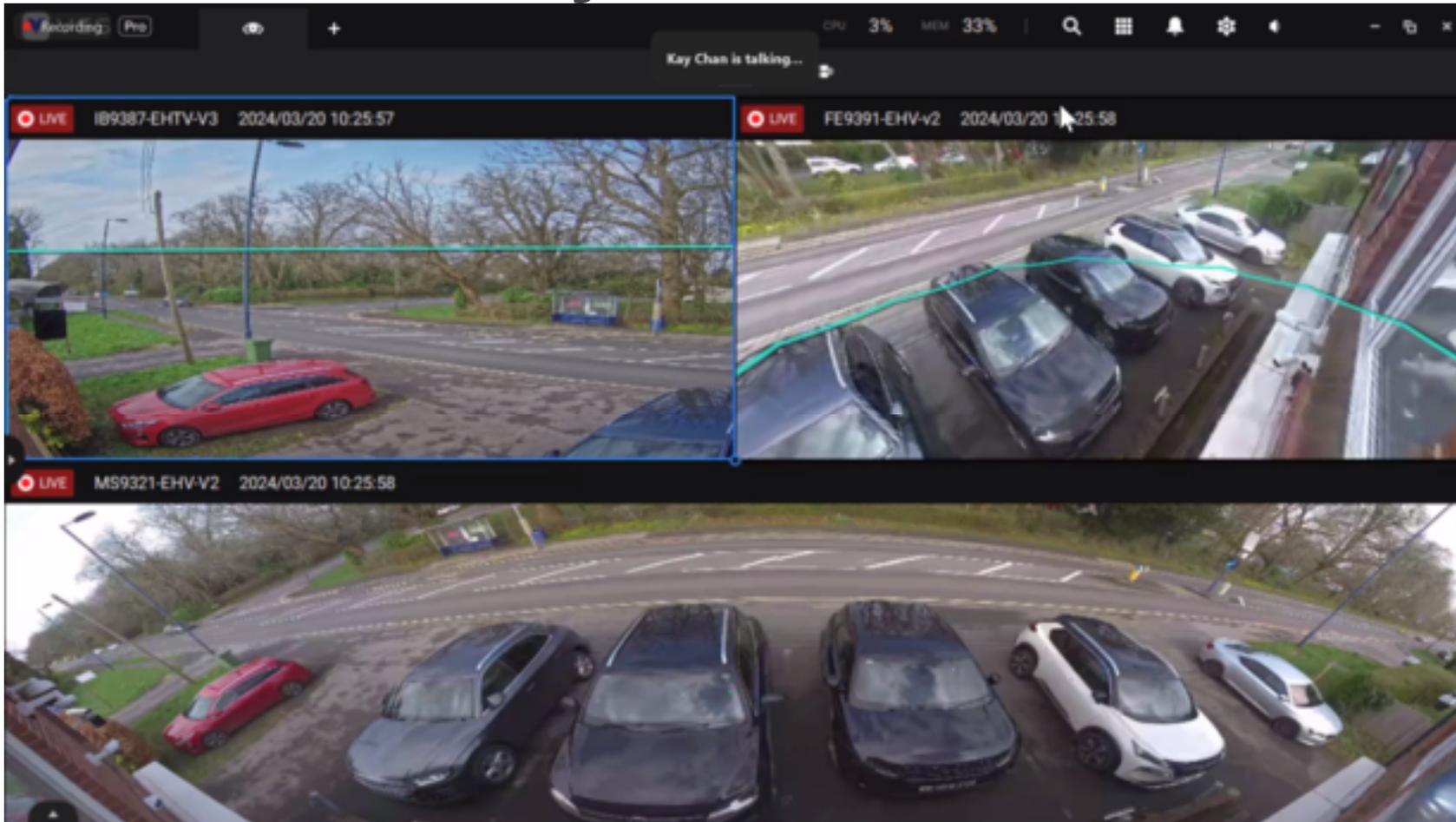


Lens x4, 30MP

[YOUTUBE VIDEO](#)



87-v3 vs Fisheye vs Panoramic



CC9380/81-HV – Target Markets

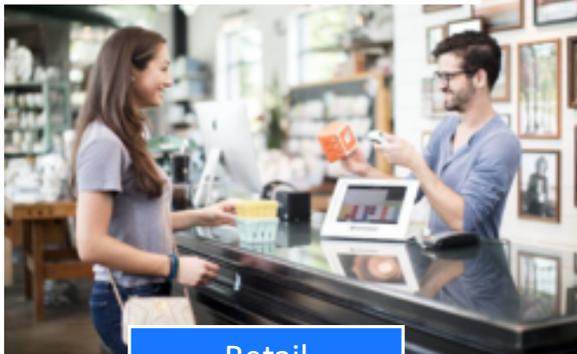
Healthcare



Schools



Prisons



Retail



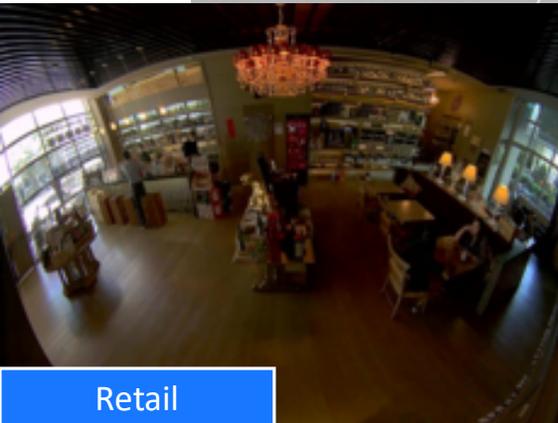
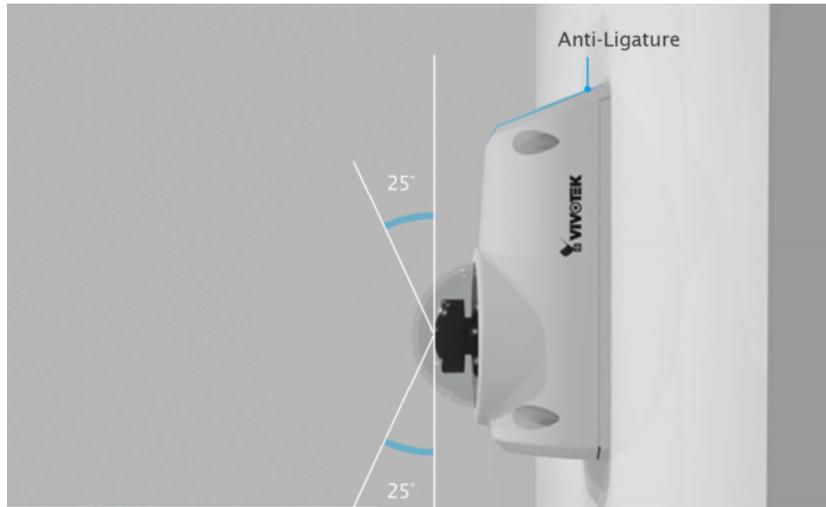
Residential



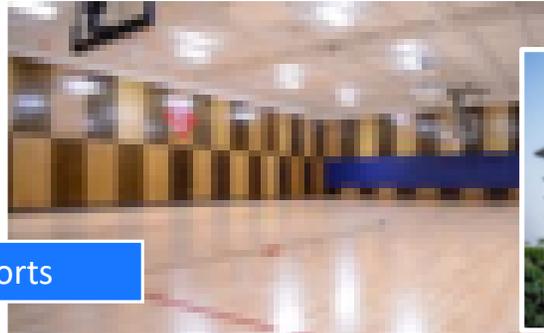
Parking

CC9380-HV/CC9381-HV Models – Single Fisheye Lens 180°

Both CC models are great for coverage up to 15m (VFOV 120°) inside and outside
-Ex. Retail, Residential, Education, Hospitality, Classrooms, Offices, Banking
-Emphasize the compact, discrete design of the CC models



MS9390-EHV-V2 – Target Markets



Sports



Commercial



Schools



Healthcare

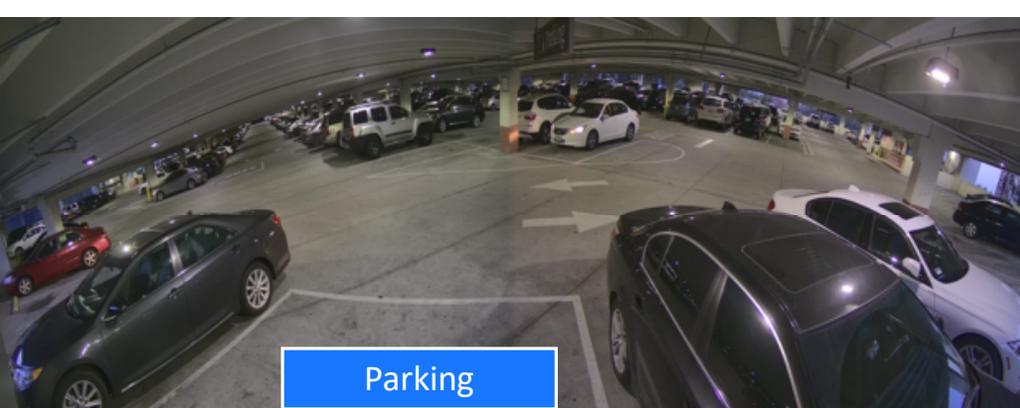
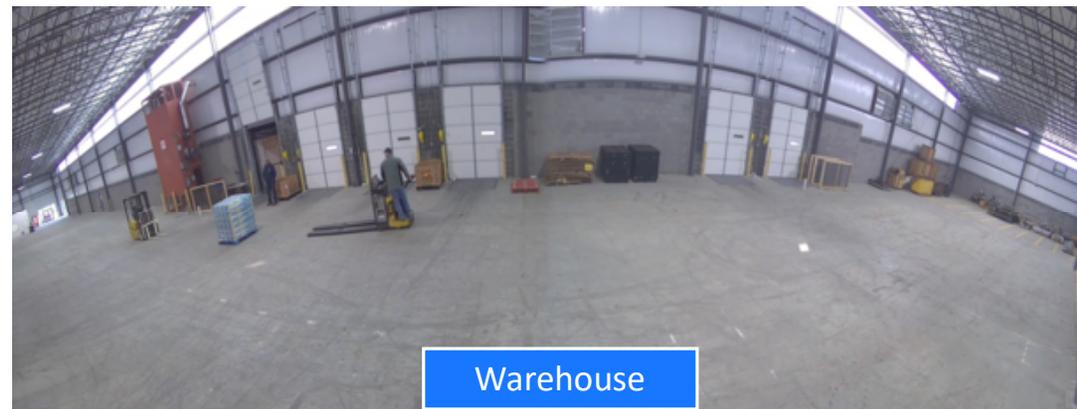


Parking

MS9390-EHV-V2 Model – Dual Lens 180°

MS Dual Lens Models are great for coverage from 10~20m (VFOV 50°)

- Ex. Transportation, Education, Parking, Industrial, Healthcare
- Easy Install with built-in tilt and IR illumination



MS9390-EHV-V2 Model – Dual Lens 180°

LiveBarn

LiveBarn uses our MS9390-HV to provide video for their subscription streaming service to enable coaches, parents, and players to view live and review sports

<https://www.youtube.com/watch?v=ejlbj1lKi78>

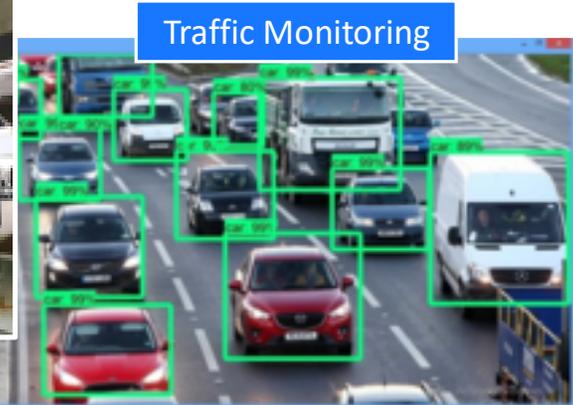
https://www.youtube.com/watch?v=_36OKeaJZo4



MS9321-EHV-V2 – Target Markets



Airports



Traffic Monitoring



Parking



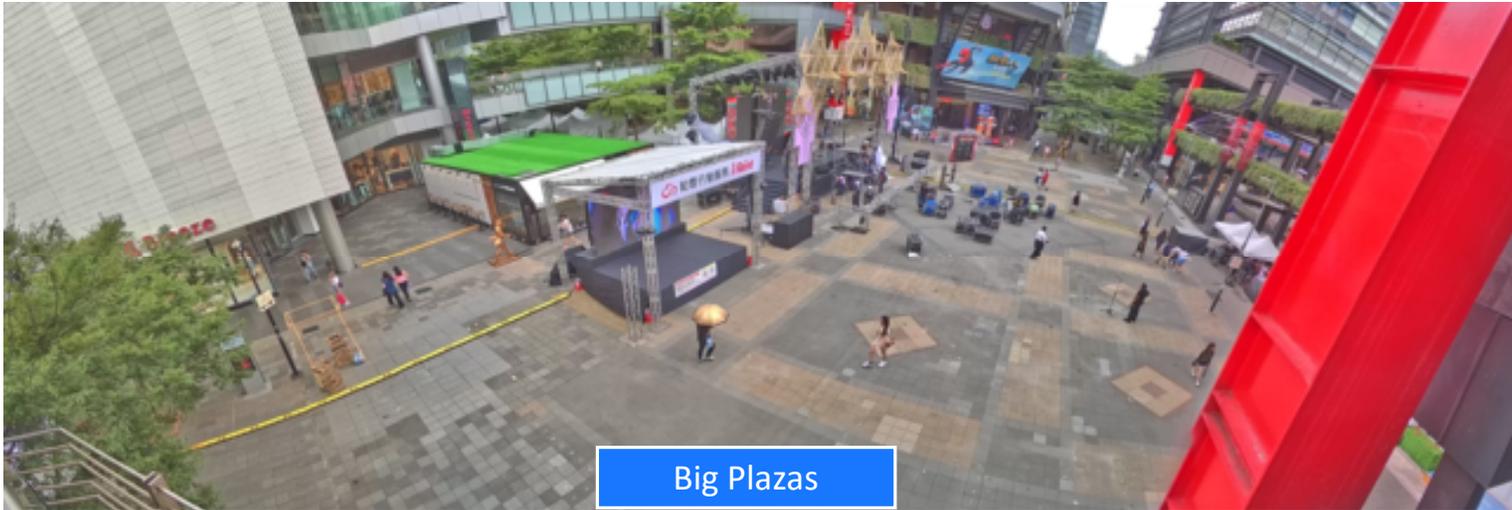
City Surveillance



Universities

MS9321-EHV-V2 Model – Quad Lens 180°

MS Quad Lens Models are great for coverage beyond 20m (HFOV 65°)



Big Plazas



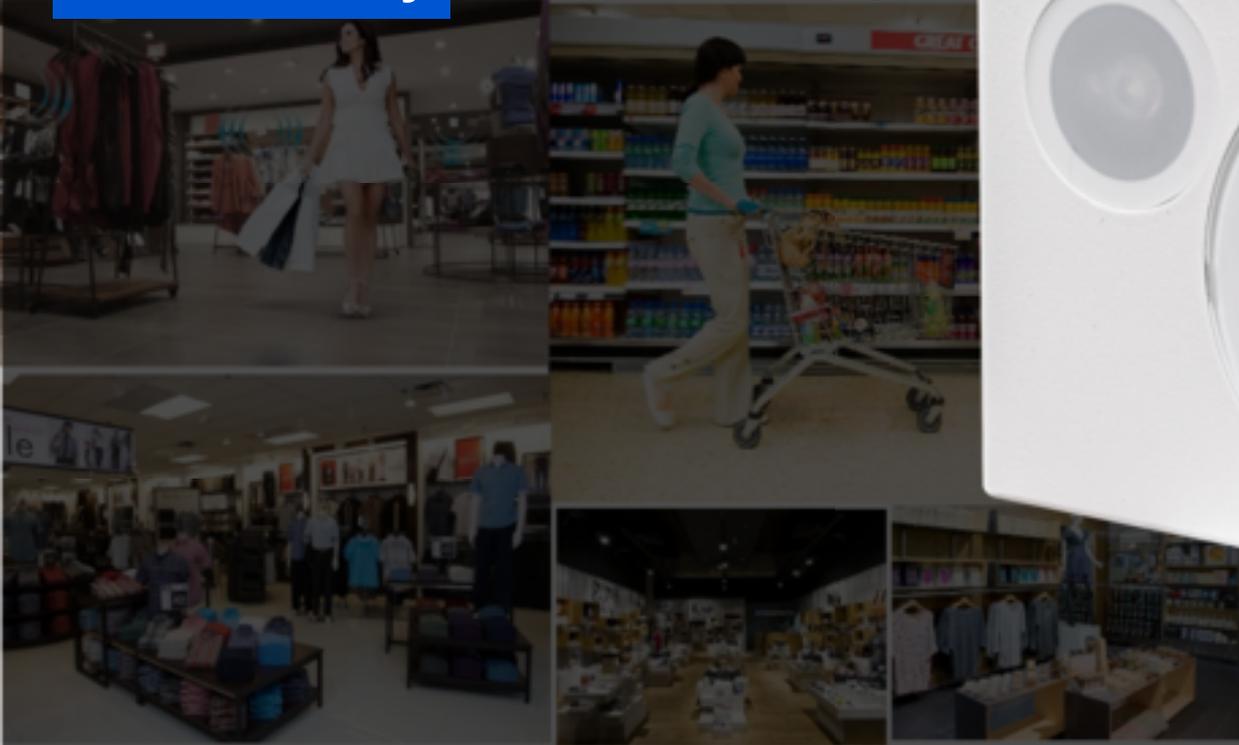
Traffic



City Surveillance

SC9133-RTL

Revolutionary People Counting



SC9133-RTL Advantage

=== AI Counting Sensor with Fisheye surveillance capability ===

1. Excellent accuracy with Larger FOV
2. Trustworthy Accuracy with More Possibility
 - Flexibility
 - AI Classification (release with FW upgrade)



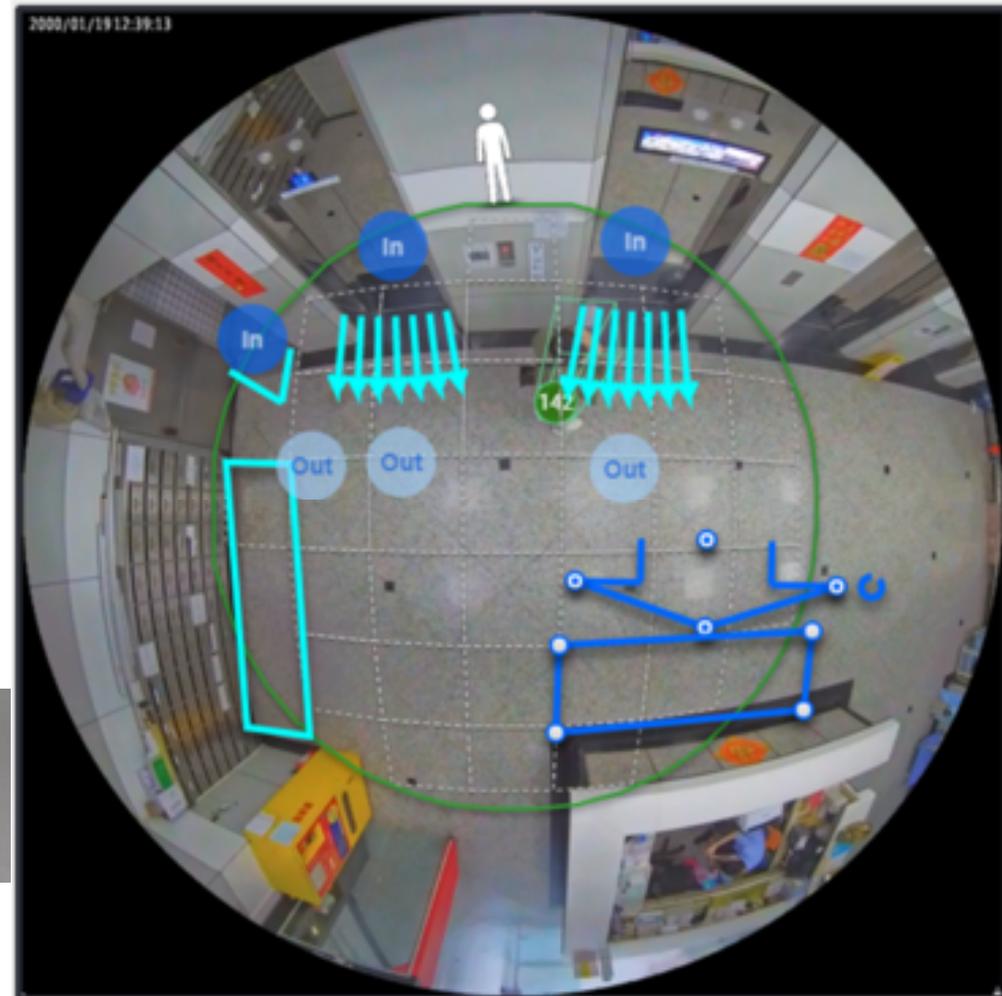
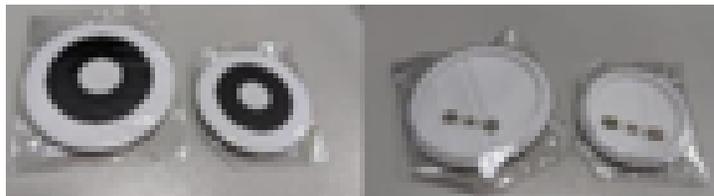
*: Under Correction Installation & Setting for standard pedestrians.

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Flexibility

1. Excellent accuracy with Larger FOV
2. Trustworthy Accuracy with More Possibility
 - Different rules in same FOV
 - AI Classification
 - Queue detection
 - Staff exclusion

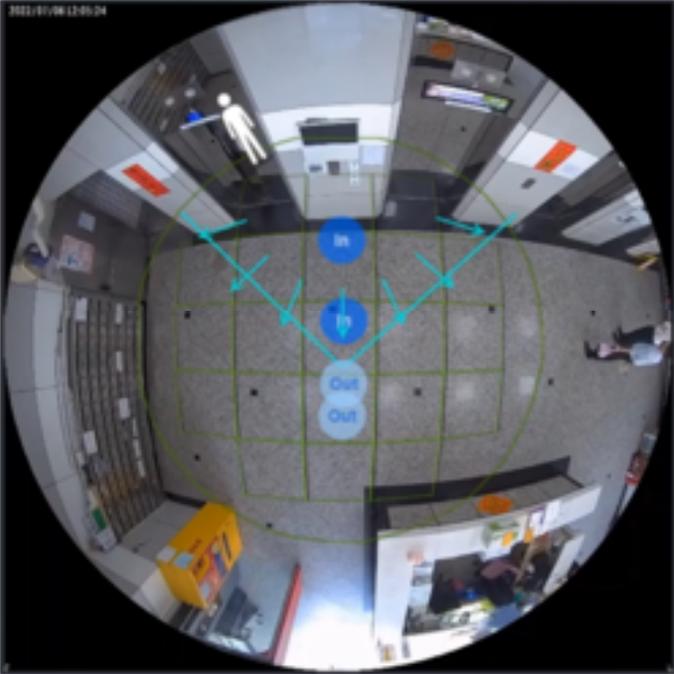


Demo



Smart Counter ☰ Live Report Rules

2022/07/06 12:03:59



Counting / FlowPath Counting

Rule name	Previous trigger	People in	People out
Counting_R...	2022/07/06 12:03:59	0	2
FlowPath1	2022/07/06 12:03:59	0	2

[Reset all](#)



VCA  

A.I. Platform

The graphic features a glowing blue 'AI' logo on a 3D platform, set against a background of circuitry. Above the platform are three icons: 'VCA' with a person icon, a printer icon labeled 'VO-723', and a smiley face icon.



VAST Security Station



Deep Search
Attribute
Scene
Re-Search

The graphic shows a busy city street with yellow taxis and pedestrians. A magnifying glass icon is positioned over the scene.

**20k+
above**



A white dome-shaped surveillance camera.

**Monitor
Substations**



A stack of electronic equipment, likely substation monitoring devices.

Broadcast



A white megaphone.

TLS



A white shield icon with the letters 'TLS' inside.

Encryption



A play button icon over a video frame of a hallway.

**Recorded file
Encrypted**



**Digital
Watermark**



A graphic showing a hallway with a watermark overlay.



Efficient Investigation with Deep Search



People Attribute | Vehicle Type | Colour



Attribute Search

Find by people appearance



Gender & Age



Clothing Color



Accessories

The screenshot displays the Attribute Search interface. On the left, a sidebar contains search filters: Object (set to People), Camera lot (set to All), From/To dates (October 25, 2022), and Time (07:33 to 13:33). Under the 'Appearance' section, filters for Gender (Any, Male, Female), Age (Any, Adult, Child), Upper body cloth color, Lower body cloth color, and Accessories (Backpack, Hat) are visible. The main area shows '6 Results' in a grid of video clips. Each clip includes a play button, a timestamp, and a location label (e.g., 'Parking lot 1', 'Front Alley'). A 'Play all' button and a 'Select clips to export' button are at the top right. A 'Sort by time' dropdown is also present. The bottom of the screen shows a navigation bar with a search icon and a page indicator '1/1'.



Attribute Search

Find by vehicle appearance



Vehicle Type



Vehicle Color

* Motorcycle and bike not supported with color filter.

The screenshot displays the 'Attribute Search' interface. On the left, the search configuration panel includes: 'Object' set to 'Vehicle'; 'Camera list' set to 'All'; 'From' and 'To' dates both set to 'October 25, 2022'; 'From' and 'To' times both set to '07:38' and '13:38' respectively; a 'Search by rule' section with a note 'Search by rule is supported on single camera.' and an 'Add rule' button; a 'Vehicle' section with 'Vehicle type' options: 'Any' (selected), 'Car', 'Truck', 'Bus', 'Motorcycle', and 'Bike'; and a 'Color' section with a color palette and a 'Clear' button. On the right, the '2 Results' section shows two video thumbnails from 'Front Alley' with timestamps '11:57:14' and '11:48:38'. A 'Play all' button is visible at the top left of the results area, and a 'Select clips to export' button is at the top right. A 'Sort by time' dropdown is also present. At the bottom right, a pagination indicator shows '1/1'.



Scene Search

Find by its behavior



Intrusion



Line Crossing



Loitering

The screenshot displays the Scene Search interface. On the left, a sidebar contains search filters: Object (People), Camera list (Front Alley), Time range (October 25, 2022, 12:43 to 13:43), Search by rule (Line crossing), and People filters (Gender: Any, Male, Female; Age: Any, Adult, Child; Upper body cloth color; Lower body cloth color). The main area shows 46 Results in a grid of video thumbnails, each with a timestamp and the label 'Front Alley'. A 'Play all' button and a 'Select clips to export' button are visible at the top right of the results area. A 'Sort by time' dropdown is also present.

VIVOTEK VISION OBJECT ANALYTICS

People

Attribute extraction



Upper body



Lower body



Hat



Bag

Path extraction



Similarity extraction

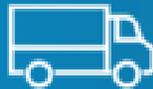


Vehicle

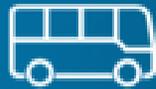
Attribute extraction



Car



Truck



Bus



Motorcycle

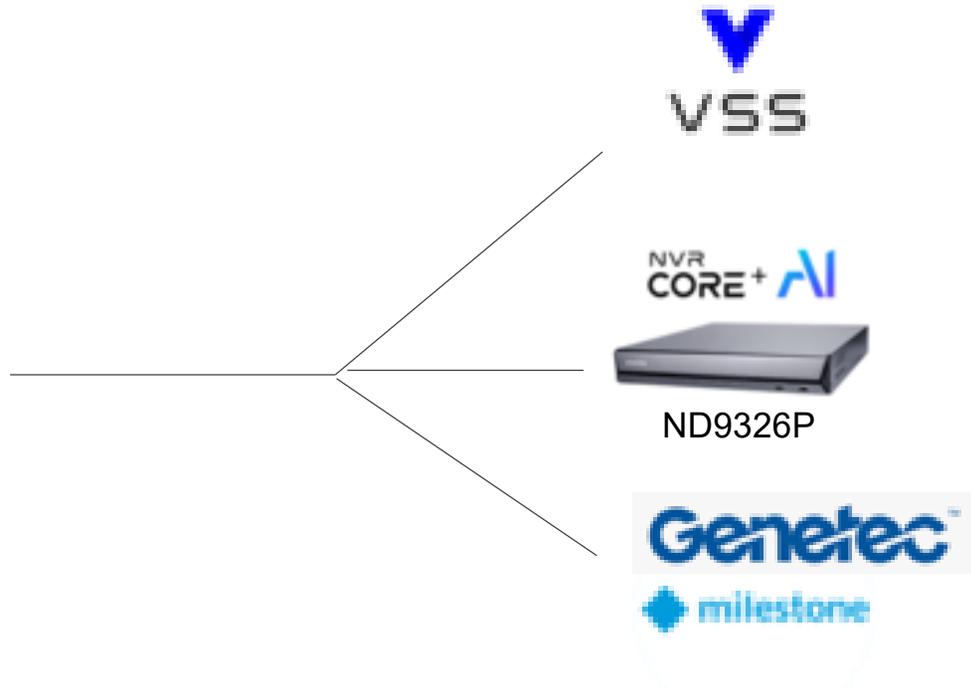


Bike

Path extraction



What you need:



<https://www.vivotek.com/ai-driven/deep-search>

Deep Search: Free plugin for **Milestone** and for **Genetec**

VIVOTEK Deep Search for Milestone XProtect

VIVOTEK Deep Search is a video analytics tool designed to enhance the functionality of the Milestone

Updated on Friday, June 16, 2023

Review analysis | Critical information | Manufacturing | Retail

Analytics

Provided by VIVOTEK INC.

CONTACT US

VIVOTEK Deep Search for Milestone XProtect is a powerful tool that enables users to unlock the full potential of their video surveillance systems, providing advanced search capabilities and enhancing overall situational awareness.

Technology Partner
Milestone Verified
Up to +1000

Genetec

Why Genetec | Products | Partners | Resources | Get in touch

Partner ecosystem | Partner and Integration Hub | Vivotek

VIVOTEK
A Delta Group Company

Discover a new era of intelligent video search with VIVOTEK Deep Search for Genetec. Powered by cutting-edge AI technology, this groundbreaking solution introduces three key functions: Object Search, Attribute Search, and Scene Search. No longer relying on scrolling through video footage frame by frame, VIVOTEK cameras now deliver enriched object metadata, revolutionizing the way you search for evidence. With Deep Search's advanced capabilities, effortlessly conduct smarter, faster, and more efficient inquiries. Unleash the power of AI-driven video search for a seamless and streamlined experience.

Contact us

JUMP TO

- [Retail Market >](#)
- [Law Enforcement >](#)
- [Parking Enforcement >](#)
- [Features and benefits >](#)

AI NVR: CORE+ AI series



PoE Solution

Unmanaged Switch (4-24 port + 2 combo port)



Unmanaged
FE PoE Switch



Unmanaged
GE PoE Switch

Managed Switch (8-24 port, up to 10G L2+)



Industrial VivoCam
L2+ Managed PoE
Switch



VivoCam L2+
Managed PoE
Switch



VivoCam
Web Smart PoE
Switch



20xSFP-4xcombo-
4x10G SFP+ L2+
Managed Switch

Outdoor Solution



Outdoor
Unmanaged PoE
Switch (2x95W/port,
for Speed Dome)



Outdoor VivoCam
L2+ Managed PoE
Switch (4x30W/port,
for bullet)



Cabinet Solution



PoE Enclosure



PoE Injector
(indoor/outdoor)

Industrial Solution



Unmanaged PoE
Switch



Managed PoE
Switch



Media Converter



Poe Injector

Long Range Solution



PoE Extender
(indoor/outdoor)

We Get The Picture



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