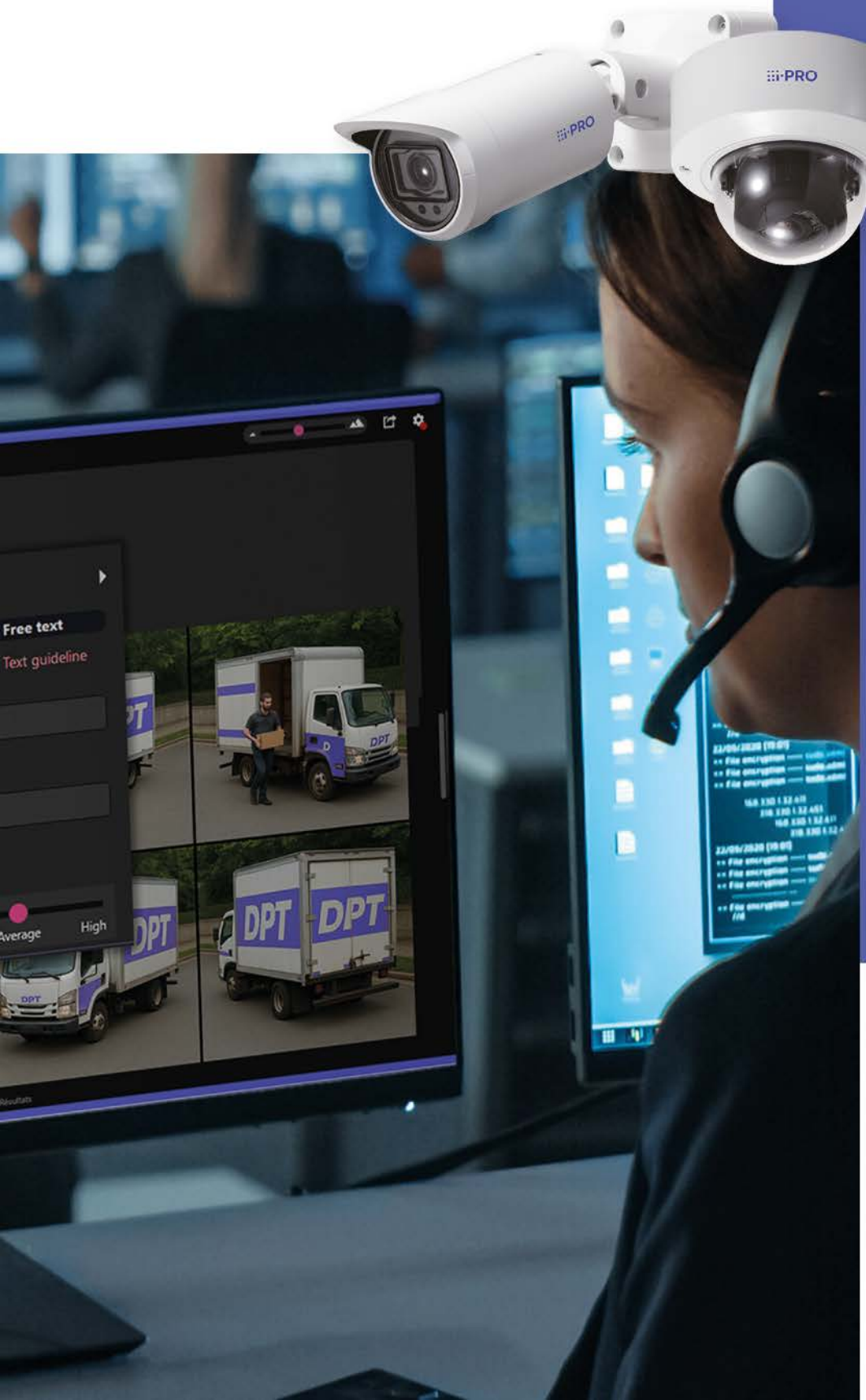
EDGE AI CAMERAS
ANALYTICS





i-PRO

A START-UP WITH 60 YEARS OF HISTORY

Formerly known as Panasonic Security, i-PRO is a pioneer in Cyber-Secure Open Edge AI Security Cameras. With more than 60 years of experience in the security industry and as the #1 Global Japanese Manufacturer, we provide strong, powerful and state-of-the-art hardware, so your installations run reliably and smoothly, giving you peace of mind. We believe in the power of AI data-driven insights taking video far beyond security, making your operations more proactive and efficient. At the same time we want to make sure this data is accurate, securely stored and ethically handled. This is why i-PRO is your trusted next generation partner.

HARDWARE

High-resolution images are essential for optimal AI technology performance. i-PRO has a solid foundation built on 60 years of security camera legacy. We are renowned among our partners for providing cutting-edge technology, crafting reliable cameras, and capturing the most qualitative images.

CYBER SECURITY

We prioritize cyber security, ensuring NDAA compliance. Our camera offerings come with chipsets that meet the stringent FIPS level 3 compliance, signifying the highest level of cyber-security. These cameras are engineered and quality assured in Japan, while our robust chipsets are manufactured in the United States.

APPLICATIONS

We provide a diverse selection of free AI applications that can be effortlessly installed on network cameras without any additional cost. Thanks to our edge AI technology, there is no need for extra hardware, making the implementation seamless and cost-effective.

LINEUP

We take pride in being one of the most innovative companies in the security market, offering the most extensive AI camera lineup with an impressive range of over 250 models, all equipped with edge AI technology by default.

ENGINEERING & MANUFACTURING

i-PRO cameras are engineered and manufactured in Japan, with cutting-edge research and development facilities based in Fukuoka, ensuring highest standards of innovation and quality.

MADE IN JAPAN

NDAA Compliant

FIPS Level 3 Validated 140-3

Ambarella™

PARTNERSHIP

Through our open policy, we foster partnerships, enabling seamless collaboration with partner applications and ensuring both Hardware Compatibility and Software Integration with VMS. At i-PRO we strives to make our clients' lives easier by offering short delivery lead times, competitive prices, comprehensive training on Edge AI technologies, and user-friendly tools for designing and installing security systems using our hardware.



WHY CHOOSING i-PRO EDGE AI CAMERAS?

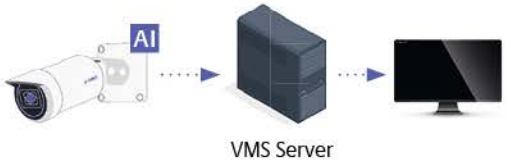


Improve reaction times, activate real-time alerts and increase situational awareness with i-PRO is simple, lower-cost, light-weight, AI Analytics. i-PRO AI cameras process metadata at the edge, enabling a real-time security posture. Processing at the source without needing an added analytics server not only reduces infrastructure costs and lower power consumption but it also enables faster situational decision-making. One key benefit of our EDGE-based AI is that we analyze the raw data stream without compromising resolution, bandwidth, or quality.

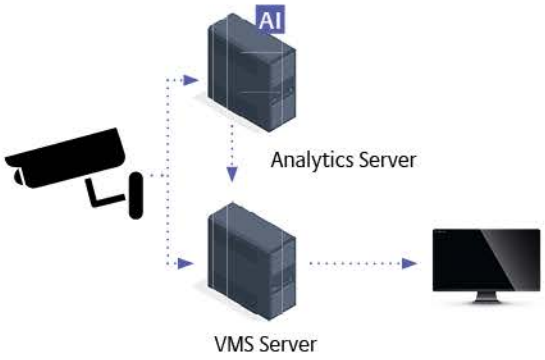
i-PRO AI ANALYTICS
EASY. FREE OF CHARGE. SERVERLESS.
WHY GO WITH i-PRO?

1. Increase situational awareness
2. Improve reaction times
3. Reduce bandwidth
4. Secure operations with cybersecurity by design
5. Eliminate the need for additional analytics servers
6. Leverage flexible solutions to fit your needs

i-PRO



OTHERS





ALARM ANALYTICS

AI VIDEO MOTION DETECTION (AI-VMD)

AI differentiates between vehicles, motorcycles, bicycles, and people. It further detects and sends warning notifications when they enter a specified area. It can also count the number of times the target object crosses line.

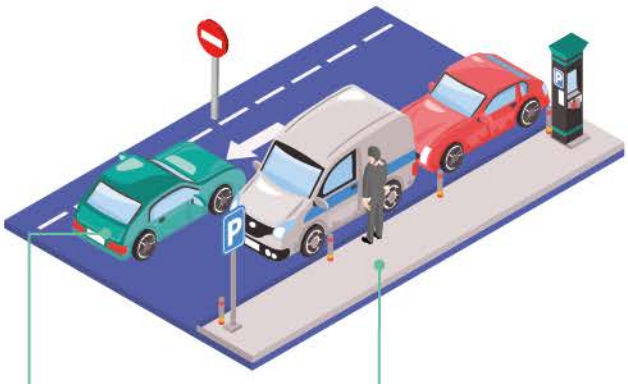
AI SPEEDING DETECTION

The AI speed detection application enhances AI VMD with a speeding alarm. It can be used in parking lots to detect vehicles exceeding speed limits. Additionally, it can be used to detect if a person is running in retail or industrial environments, for example.



TAILGATING
Issue an alarm when more than one object passes through a secured area during a single access event





CROSS LINE
Issue an alarm when an object moving in the specified direction crosses a specified threshold.

INTRUDERS
Issue an alarm when a moving object enters a specified area.

DIRECTION
Issue an alarm when a moving object enters a specified area and moves in the specified direction.

LOITERING
Issue an alarm when a moving object enters a specified area and stays there for a specified amount of time.

AI SOUND CLASSIFICATION

AI detects and identifies sound (gunshot / yell / vehicle horn / glass break). It then sends a warning notification according to the sound identified.



GUN SHOT



YELL



GLASS BREAKING



VEHICLE HORN

UNLOCK ALARM POSSIBILITIES WITH X SERIES ON SITE LEARNING

The new on-site AI learning feature lets customers teach the camera about custom objects they wish to identify and search for or track. For example, operators could teach the camera to count forklifts passing through the camera's field of view to provide new metrics about operational efficiency. A hospital could count and detect ambulances arriving at the emergency area and automatically open the gates. The camera can even be taught to recognize a logo on a truck and send out an alert when it arrives at the loading dock.

TEACH THE CAMERA
about custom objects you wish to track



UNLOCK POSSIBILITIES



Before X-series



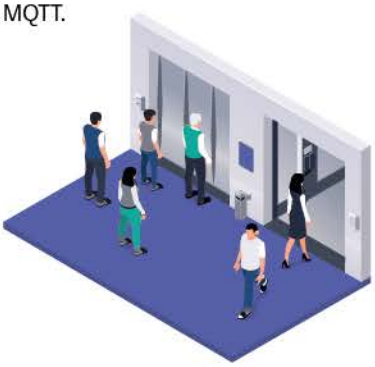
After X-series

MANAGEMENT ANALYTICS

Go Beyond security with analytics developed to help you manage people and objects flow within a site.

AI OCCUPANCY DETECTION*

It counts the number of people, vehicles, bicylces, on-site learning detected objects in a specified area and issues an alarm when the number exceeds a specified threshold. Information of the number of people in the area can be output externally via HTTP or MQTT.



AI PEOPLE COUNTING*

People counting analytic revolutionize business operations. This AI provide real-time tracking and insights into foot traffic. From optimizing store layouts to ensuring compliance with occupancy limits, this technology enhances operational efficiency and security measures.



AI PRIVACY GUARD*

To protect privacy and portrait rights, it is possible to automatically apply a mosaic to the entire face and figure of a person captured by the camera, thereby ensuring compliance with GDPR rules and further safeguarding individuals' personal information.



Original image



Processed image



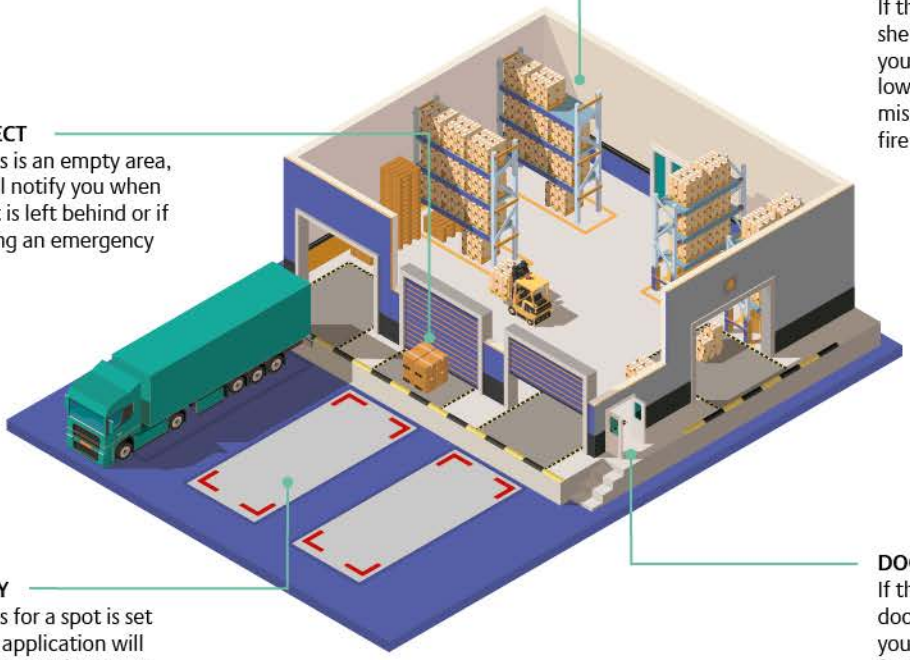
*also available for fisheye cameras

AI SCENE CHANGE DETECTION

It can define/learn the normal scene for each camera and output an alarm when it is determined to be abnormal.

OUT-OF-STOCK PRODUCT
If the normal status is set to “full shelf”, the application will notify you when the shelf is empty or low, as defined. It can also detect missing objects, like a missing fire extinguisher, for example.

LEFT BEHIND OBJECT
If the normal status is an empty area, the application will notify you when a stationary object is left behind or if an object is blocking an emergency exit door.



PARKING VACANCY
If the normal status for a spot is set to “occupied”, the application will notify you when the spot is vacant.

DOOR MOVEMENT
If the normal status is a closed door, the application will notify you when the door is left open for a defined period of time.

MANAGE YOUR SITE AND IMPROVE OPERATIONAL EFFICIENCY

The Heat map and Dashbord tools are provided free of charge with i-PRO edge AI cameras : Utilize them to monitor crowd density, understand customer behavior in retail spaces, optimize the layout of public venues, and enhance overall security protocols.



DASHBOARD

The i-PRO Active Guard dashboard provides a centralized and user-friendly interface for real-time monitoring and management of AI-powered analytics.



HEAT MAP

Heat mapping provides statistical information about traffic flow and keeps counts for people passing through and loitering in the area.

SEARCH ANALYTICS

ACTIVE GUARD FORENSIC SEARCH PLUG-IN

With Active guard, i-PRO's data-driven forensic search and alert platform, security officers no longer need to spend time looking at multiple screens for persons or vehicles of interest or watch hours of recorded video to search for important events. Operators can register specific characteristics in their watch lists (for exemple, a grey SUV car), and the VMS will send a real-time alarm whenever a match is identified, a feature that is unique to i-PRO. This enhances real-time situational awareness and enables proactive security. The same process can be set up for fast data mining of events during forensic investigations. With its high recognition rates, the solution is ideal for a range of applications, including city surveillance, parking, access control, security, law enforcement and intelligent transportation systems.

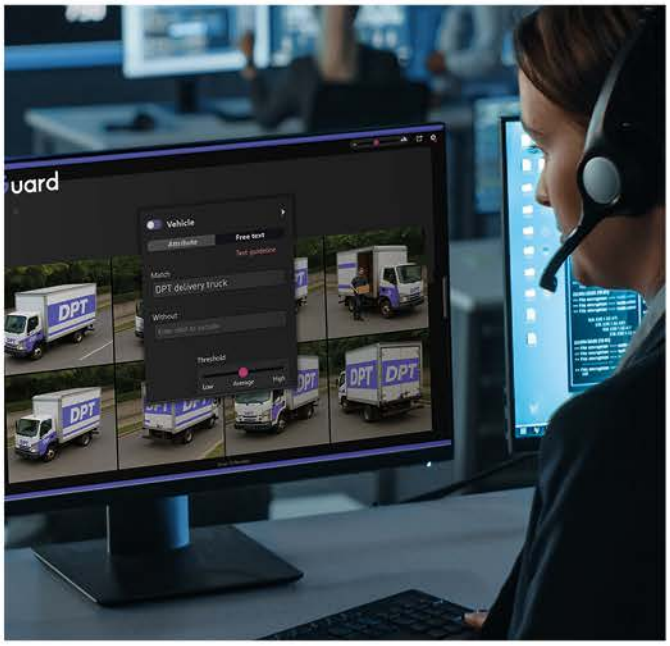
WHAT'S NEW IN i-PRO ACTIVE GUARD 3.0

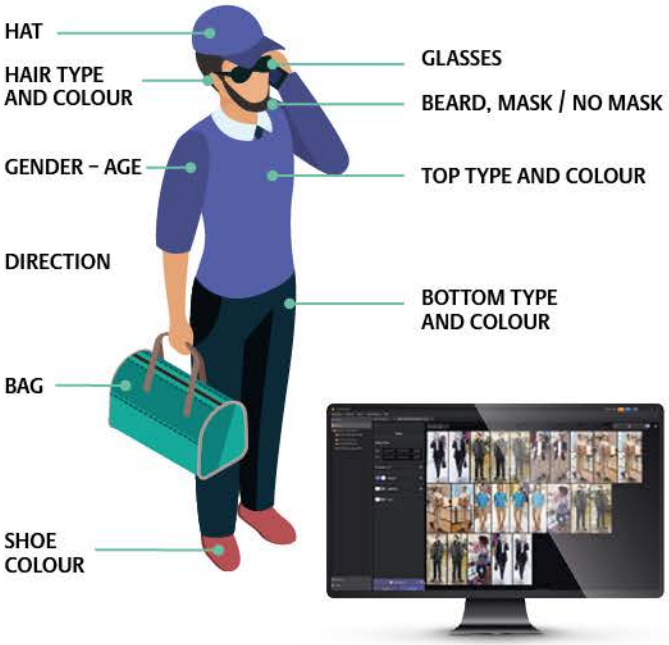
FREE TEXT SEARCH WITH GENERATIVE AI

Enables security teams to interact with video management systems (VMS) using natural language and everyday expressions for filtering - in addition to the traditional use of predefined attributes.

PERSON IMAGE SIMILARITY SEARCH

Enables operators to locate visually similar appearances within video footage, supporting investigations without relying on personal attributes or automated identification.





AI PEOPLE SEARCH

Characteristics of the human face and clothing are extracted and classified into useful categories such as gender, age, and clothing colour. This abundant attribute information can then be searched to easily find the target person. The search can also be done based on a picture or a recording.

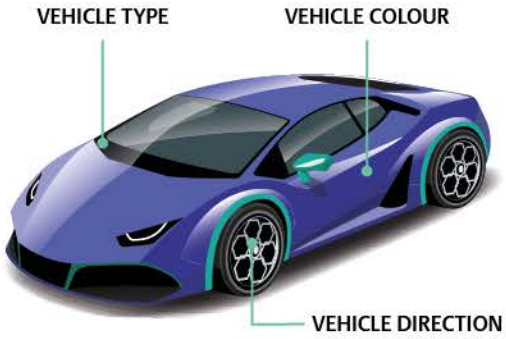
AI FACE SEARCH*

The i-PRO AI camera and i-PRO Active Guard realize real-time face detection without an expensive face detection server. AI detection enables highly accurate face detection, and is also effective for detection in low lighting, backlit environments, or for detecting faces obscured by masks.

*not suitable for public areas.

AI VEHICLE SEARCH

Vehicle characteristics are extracted and classified into useful categories such as type and colour. This abundant attribute information can then be searched to easily find the target vehicle.

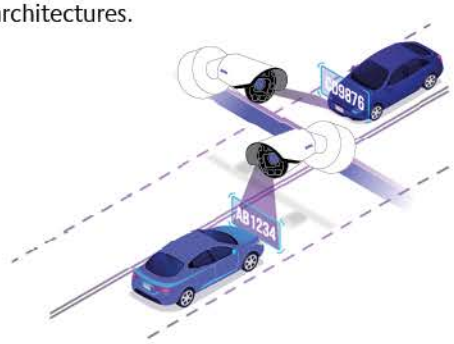




This application works for trucks, Bus, SUV, Van, Sedan, Pickup and two wheel vehicles

AI LICENSE PLATE READER*

Active Guard offers Vaxtor automatic license plate recognition (ALPR) and make, model, color (MMC) vehicle identification. The Vaxtor software has been tuned to run efficiently on i-PRO edge AI cameras, providing the same level of performance normally associated with high-end PC processor architectures.





*a license cost might apply for this application

WATCH LIST FOR ACTIVE GUARD

i-PRO Active Guard plug-in includes a powerful 'Watch List' feature. This innovative tool allows users to create and maintain a customized watch list of individuals or objects of interest. The system then actively monitors real-time footage, instantly alerting security personnel when a match is identified. Whether it's for enhanced security, tracking specific persons, or safeguarding valuable assets, the 'Watch List' feature provides a proactive approach to surveillance, ensuring a swift and informed response to potential threats.



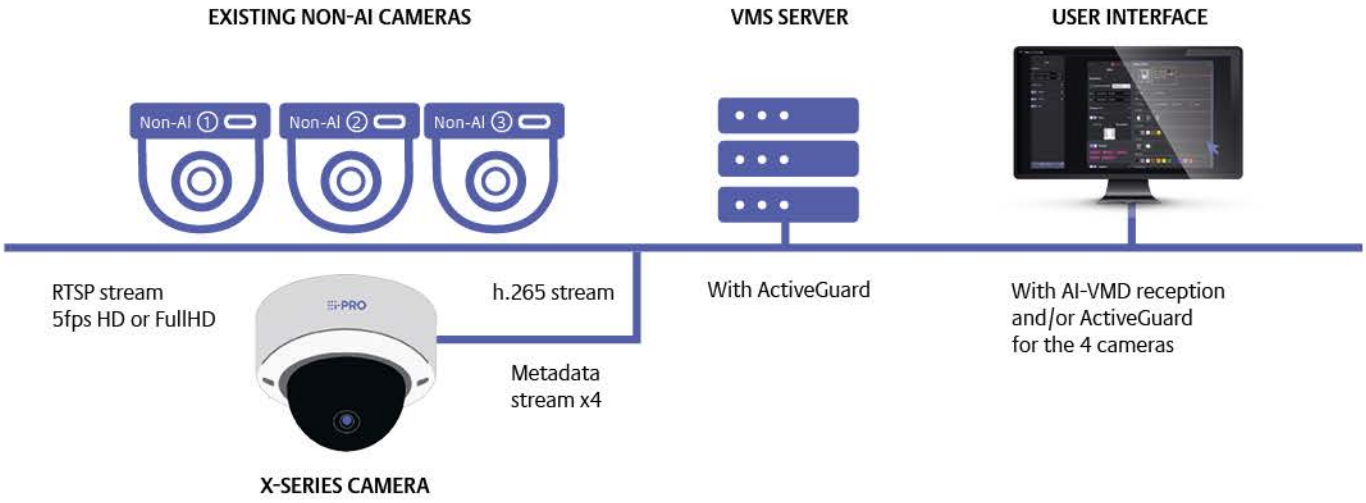
WATCH LIST

The i-PRO Active Guard watchlist feature enables real-time monitoring and alerts based on pre-defined lists of individuals or vehicles.

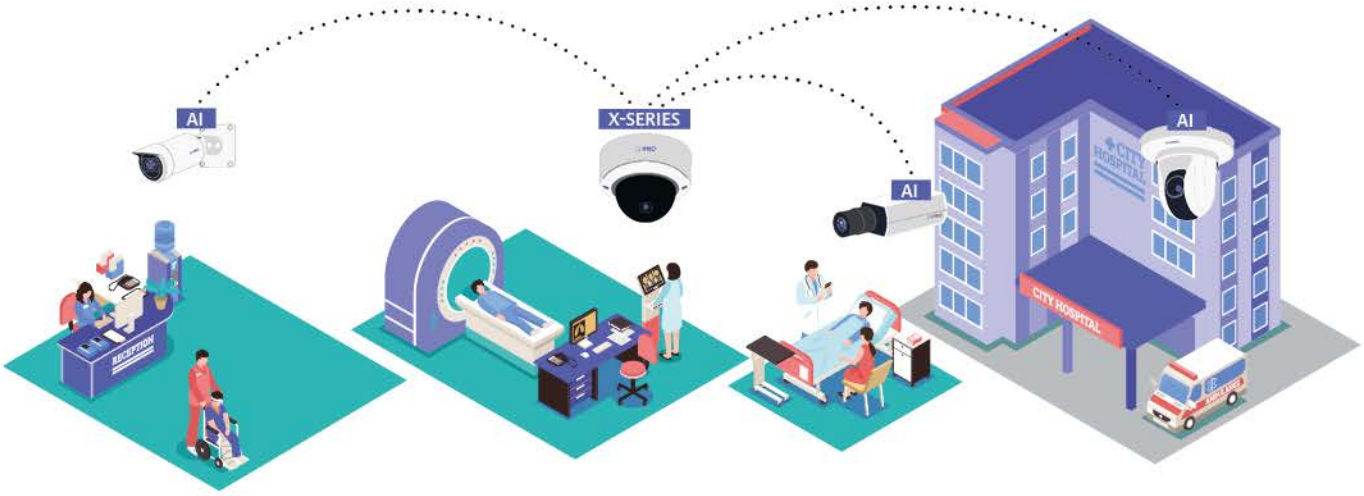
WHAT IF YOU WANT TO KEEP YOUR EXISTING NON-AI CAMERAS ?

Start your AI journey with i-PRO's X-series camera, our new line-up that has the ability to enhance traditional cameras with AI capabilities thanks to an innovative application called AI Processing Relay, which comes on-board of the camera. It allows customers to add AI capabilities to their existing, non-AI surveillance cameras, including models from other manufacturers, making them smarter and more efficient. This cost-effective solution enhances existing installations with AI functionality, making it possible to enjoy the benefits of accurate analytics without the need of replacing your whole system.

MAKE YOUR CAMERAS SMARTER



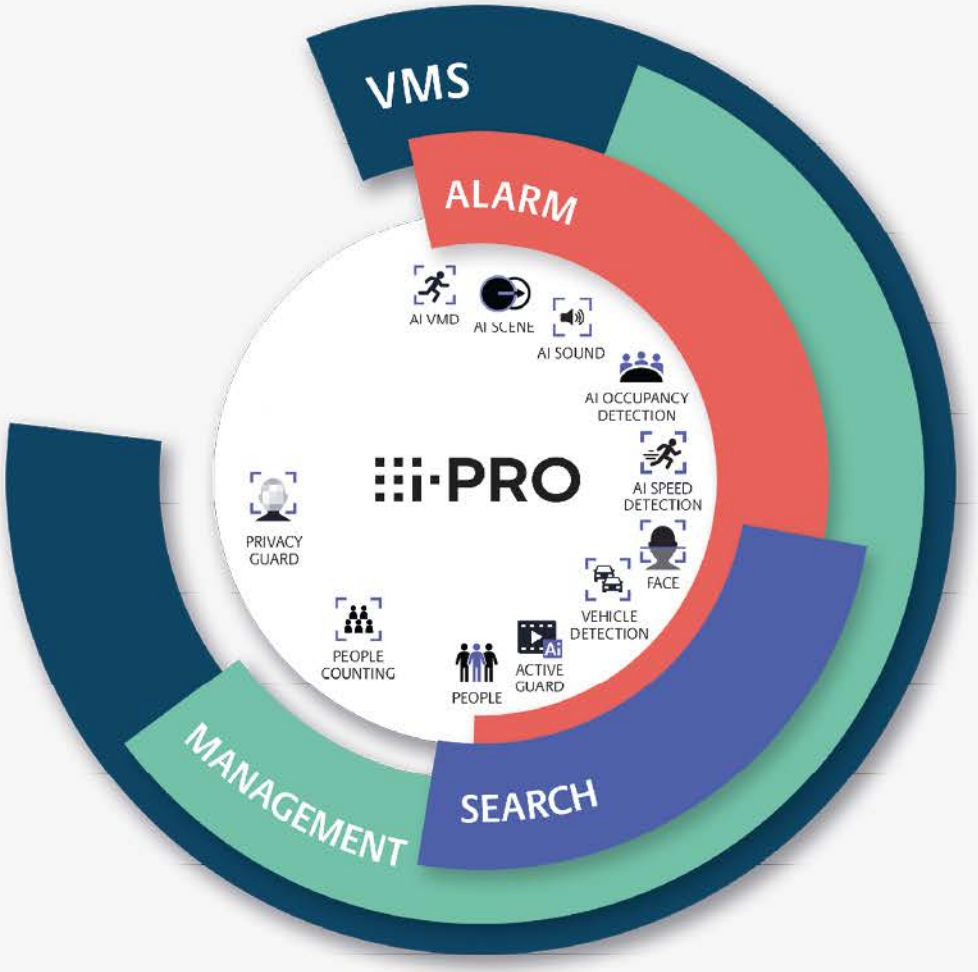
1 X-SERIES CAMERA = 4 AI CAMERAS



WE ARE OPEN

VMS INTEGRATION

i-PRO offers open architecture in video analytic products that integrate with the leading Video Management System (VMS) providers. We work closely with these technology to ensure interoperability with i-PRO cameras, and a seamless integration of AI end-to-end.



THE PRODUCT SELECTOR TOOL HELPS YOU QUICKLY FIND OUT WHICH APPLICATIONS ARE COMPATIBLE WITH YOUR i-PRO CAMERA.

CONTACT US
OR REQUEST A DEMO

i-PRO

www.i-pro.com