

RICOH
imagine. change.

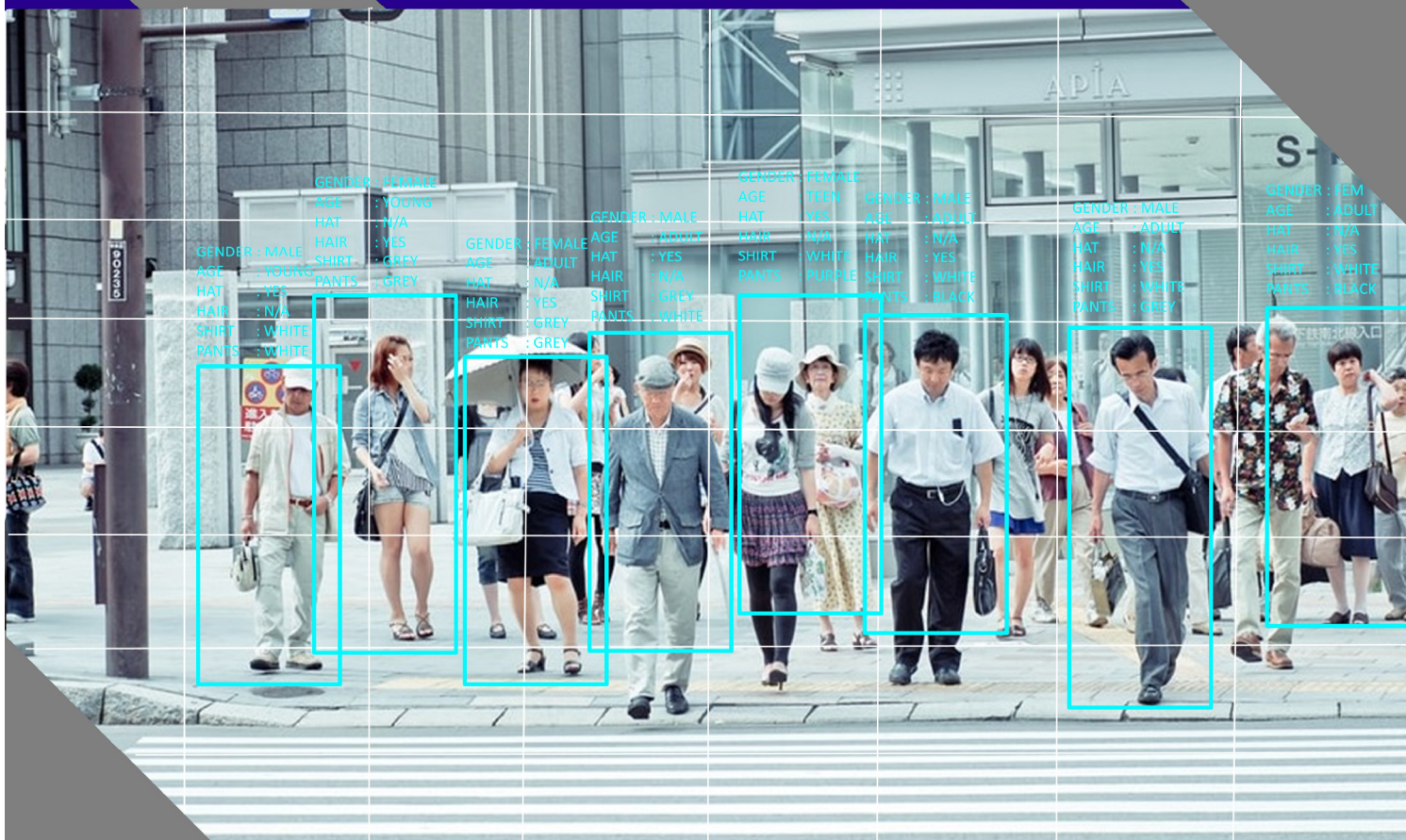
ARTIFICIAL INTELLIGENCE

RICOH enhance the network surveillance cameras with artificial intelligence to optimize business intelligence, operation efficiency as well as security management through real-time event handling



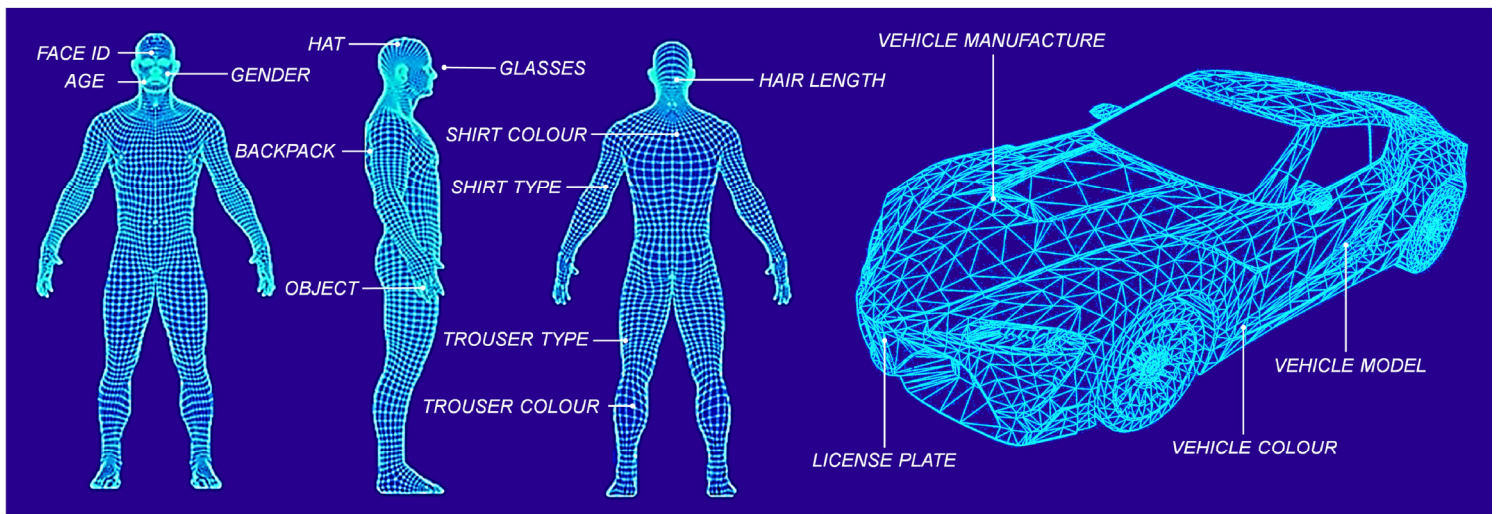
THE MIND AND VISION OF A HUMAN

- ▶ ***What You See***
- ▶ ***What You Remember***
- ▶ ***What You Think***



POWERED BY
ISONIC

UNIFIED ANALYTICS



► Face Recognition

Attention List



Face recognition technology can identify and verify if the person is listed or blacklisted from the attention database so that employees will be notified and pay extra attention about the arrival of the person.

► Age & Gender Detection

Sales and Marketing Strategy



Analyses the age and gender of a person to assist in investigation process or to help business management to identify the right marketing strategy to target the right demographic customer.

► People Counting

Business Operation Optimization



Calculates the number of people entering, passing, or leaving an area. Foot traffic data enable business management to measure effectiveness of new ad campaigns and optimized store operation efficiency.

► Visual Recognition

Investigation Process Optimization



Resembles the vision of a human that able to identify a person's features, apparels and accessories. Detailed data analysis will accelerate the investigation process.

► Area Detection

Smart Security



Be instantly notified about people and vehicles entering forbidden areas or removing objects from the virtual area drawn on the camera image.

► Object Recognition

Intelligent Tracking



With deep learning & machine learning algorithms, object recognition can identify objects accurately such as umbrellas, luggage bags, backpack and other predefined objects in the database.

► License & Vehicle Recognition

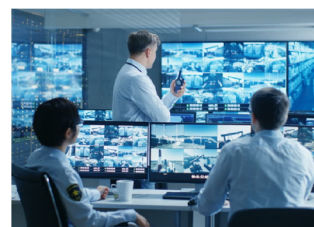
Automate Law Enforcement



Assist law enforcement and crime prevention by identifying vehicle registration number, manufacturer, model and colour of the vehicle. Meaning criminals will have a fewer options to get away.

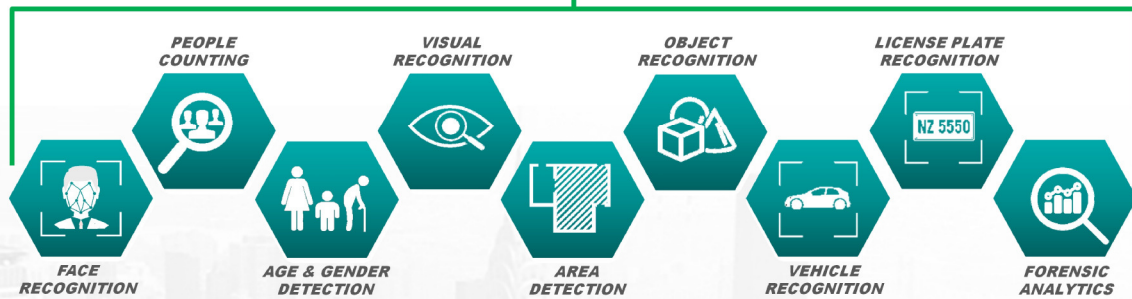
► Forensic Analysis

Crime Prevention



With RICOH AI, information can be obtained easily during investigation process as all data can be analyzed in real-time and post recordings.

RICOH AI PLATFORM



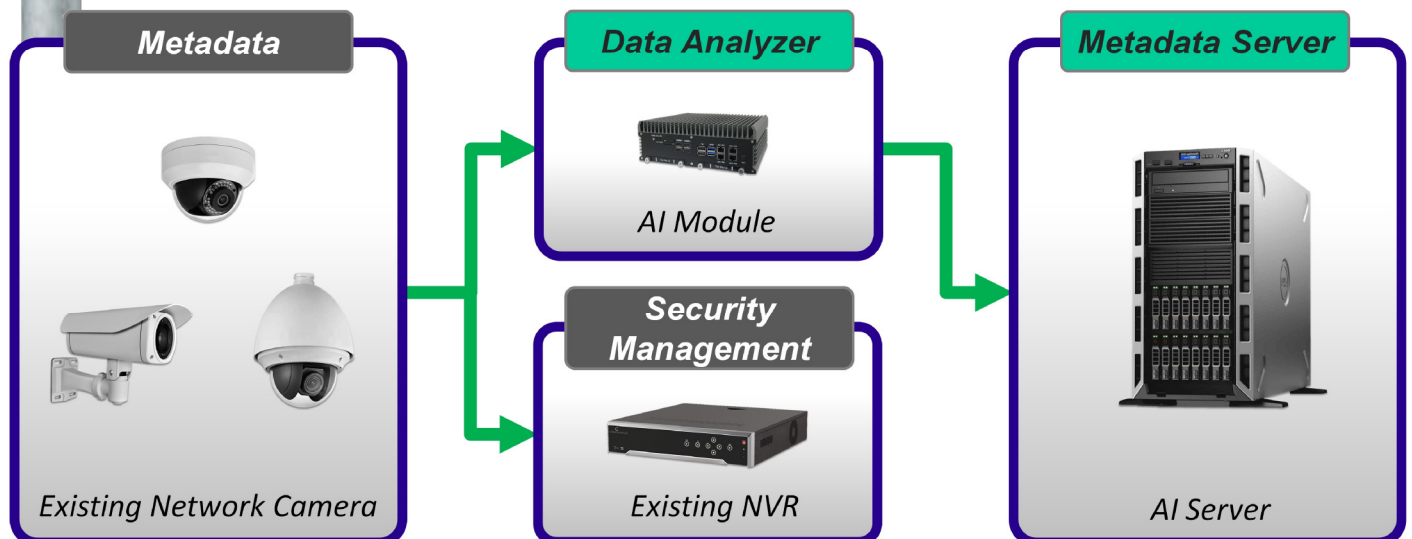
RICOH AI VERTICAL SOLUTION

Industries are becoming more and more challenging each day due to the limitation of resources, cost of operation, environment concerns and other various problems. **Artificial Intelligence (AI)** is shaping the future with different vertical solutions that will enhance business operation, crime prevention and for better risk management.



RICOH AI SOLUTION ARCHITECTURE

RICOH Artificial Intelligence (AI) technology is a software which provides intelligence to standard network surveillance cameras to become smart cameras that mimics human behavior by learning various data patterns and insight. The AI software is an enhancement on top of most network surveillance system where integration is not required, but simply plug & play. With the AI Modules, the cameras are capable to analyze images from live view & playback recordings. All data and information are stored in the Metadata Server.



WHY RICOH

End-to-end Solution Provider

A one stop solution provider for all your security needs. Hardware, cabling infrastructure, network equipment, artificial intelligence and video analytics software for a complete and reliable solution.

Tailored Solution for Each Project

Offer scalable and customized solution.

Integration with Existing Systems

Employ various types of metadata and integrate your current systems.

Managed Services

Ricoh offers comprehensive managed services for your system to ensure maximum availability and performance.

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