



CONTAINER MANAGEMENT

WHY CHOOSE OUR SOLUTIONS?

RELIABLE

ATIN provide to you reliable solutions for boosting the performance of your hardware, with support for Edge Storage and failover servers for continuous and uninterrupted access to video.



ACCURATE

Accuracy plays a crucial role in detecting and classifying object groups through analyzing object characteristics, behaviors, etc., using powerful AI algorithms.



SCALABLE

Support for an unrestricted number of servers, cameras and users provides efficient central management of systems of all sizes



FRIENDLY

Centralized search platform, multilayer maps and video wall support assure efficient investigation, intuitive camera navigation and immersive visualized situational awareness when responding to incidents.

SECURE

Reinforce your system's resilience to cyber security threats without compromising people's privacy with an array of built-in security and privacy tools.

CUSTOMIZABLE

The system's functionalities can be expanded based on the practical needs of customers by utilizing the open-core AI platform - HawkAI Platform.

BÀI TOÁN

1. Automatic recognition of tractor license plates: Accuracy \geq 95% under normal weather and lighting conditions.
2. Automatic recognition of ISO 6346 standard containers: Accuracy \geq 90% under normal weather and lighting conditions.
3. Automatic classification of containers: Size and type of containers according to ISO 6346 standards based on container number recognition results, under normal weather and lighting conditions.
4. Automatic capture of exterior surfaces of containers: Capture and save images of the front, left side, right side, door, and roof of containers in the container inspection records.
5. Automatic detection of external damages on container shells.



FEATURES

1	Detecting container coming in/out
2	Internal vehicle code recognition
3	Recognize the number plate of the tractor
4	Container code recognition
5	Container Face Reconstruction
6	Damage detection
7	Surveillance Storage
8	Giao tiếp tích hợp mã chỉ
9	Other system integration
10	Communicate with peripherals

SOLUTIONS

The application of image processing, along with other related technologies such as:



Computer Vision



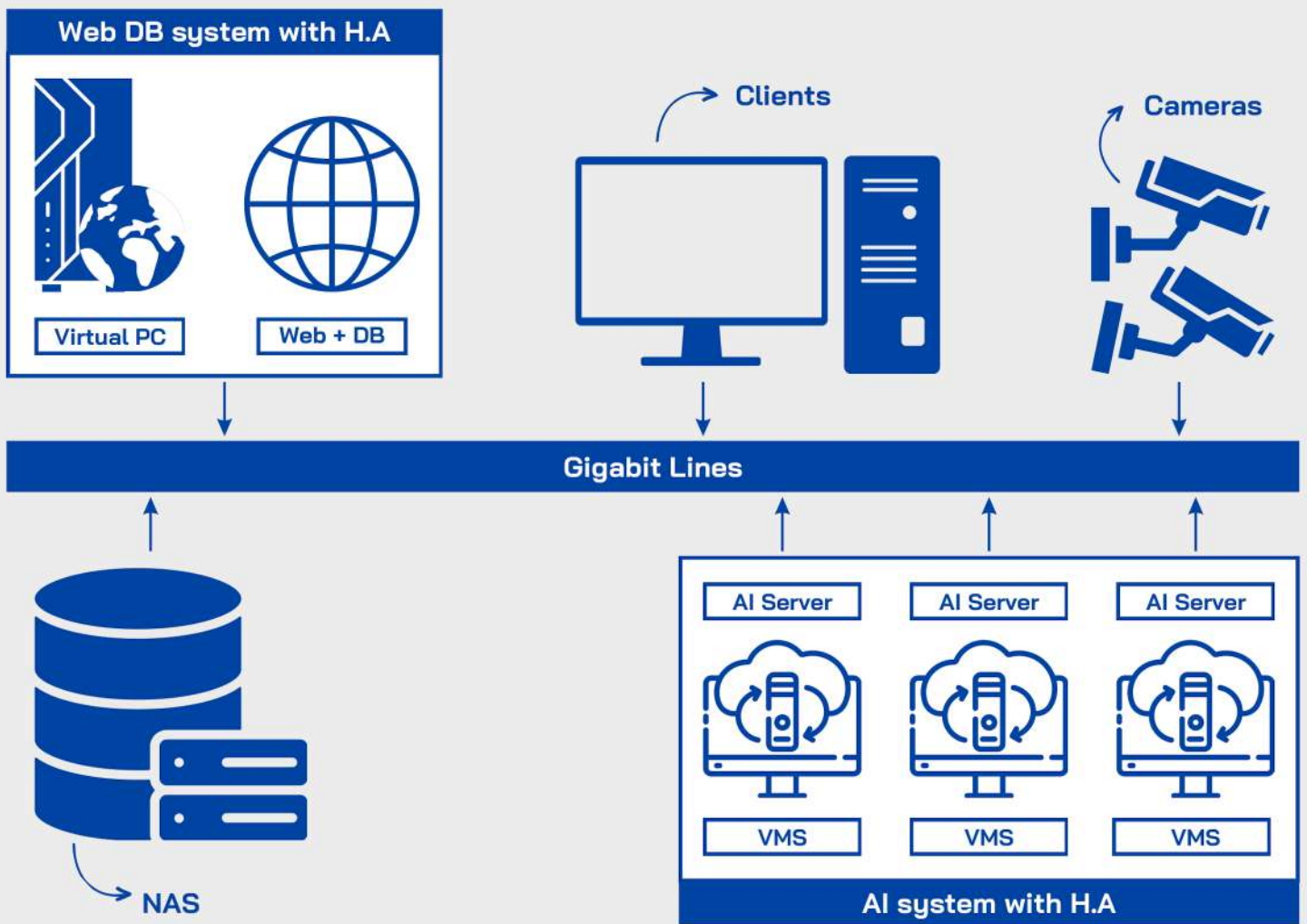
Machine Learning, Deep Learning



Optical Character Recognition - OCR

CASE STUDY

TAN VU PORT - HAI PHONG



USER FUNCTIONS

SURVEILLANCE MANAGEMENT

Direct supervision.
 Inspection results of number plate identification, container code, damage status.
 Update transaction results after appraisal.

CATEGORY MANAGEMENT

List of monitoring locations.
 List of surveillance cameras.
 List of damaged group.
 List of carriers (to assign damage groups).

SYSTEM MANAGEMENT

Configure auto-completion of transactions (without waiting for verification).
 Configure peripheral communication (yes or no).
 Configure storage (storage for images and videos).

USER MANAGEMENT

User unit management
 User management.
 Manage user groups.

STATISTICAL REPORT

Look up transaction history.
 Export statistics report.

CHỤP ẢNH SỐ CHÌ

Chạy được trên Android (mobile).
 Chụp hình ảnh mã chì, thông tin giao dịch khi lưu vào CSDL sẽ bao gồm hình ảnh này.

MANAGEMENT OF PERIPHERALS

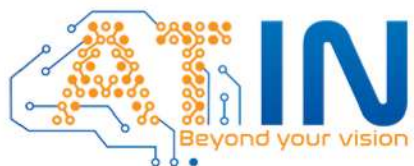
Management of light signs system (LED VMS).
 Barrier system management.
 Audio devices management.

MANAGEMENT OF VEHICLES INTO THE PORT

Manage the list of special vehicles allowed to enter the port.

Learn more about us





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