



Intelligent Warehouse Solutions

Automatic Container Code Reader with Licence Plate Recognition System

More Data, More Smart

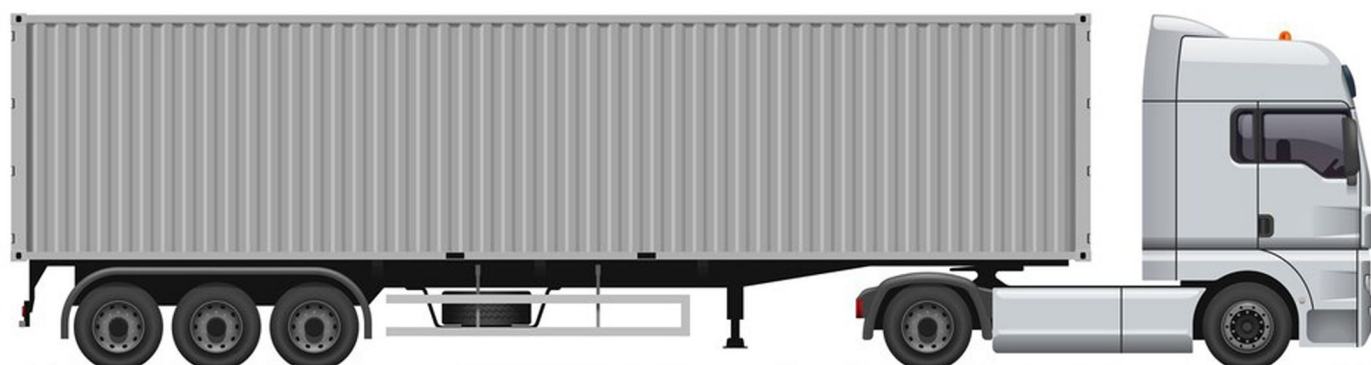
A truck which carries a container has two unique identities that should be extracted automatically, its License Plate and Container Code. We at Konect have developed a total solution to extract license plate with high accuracy and robust to any weather condition. We also have a system for Extracting Standard ISO Code for containers from three sides.

Different standards have been proposed for container code which we comply with them. The most important standard in this area is ISO6346 which we support it completely

Safer, More Efficient, Faster and Smart Warehouse Mangement.

Container

Container Code
Type and Quality
Visual/X-Ray Scan



Trailer

Licence Plate
Type
Total Weight

Truck

Licence Plate
Model
Color

Extract Useful Information
Container Color Quality
Offload and reload Time

1

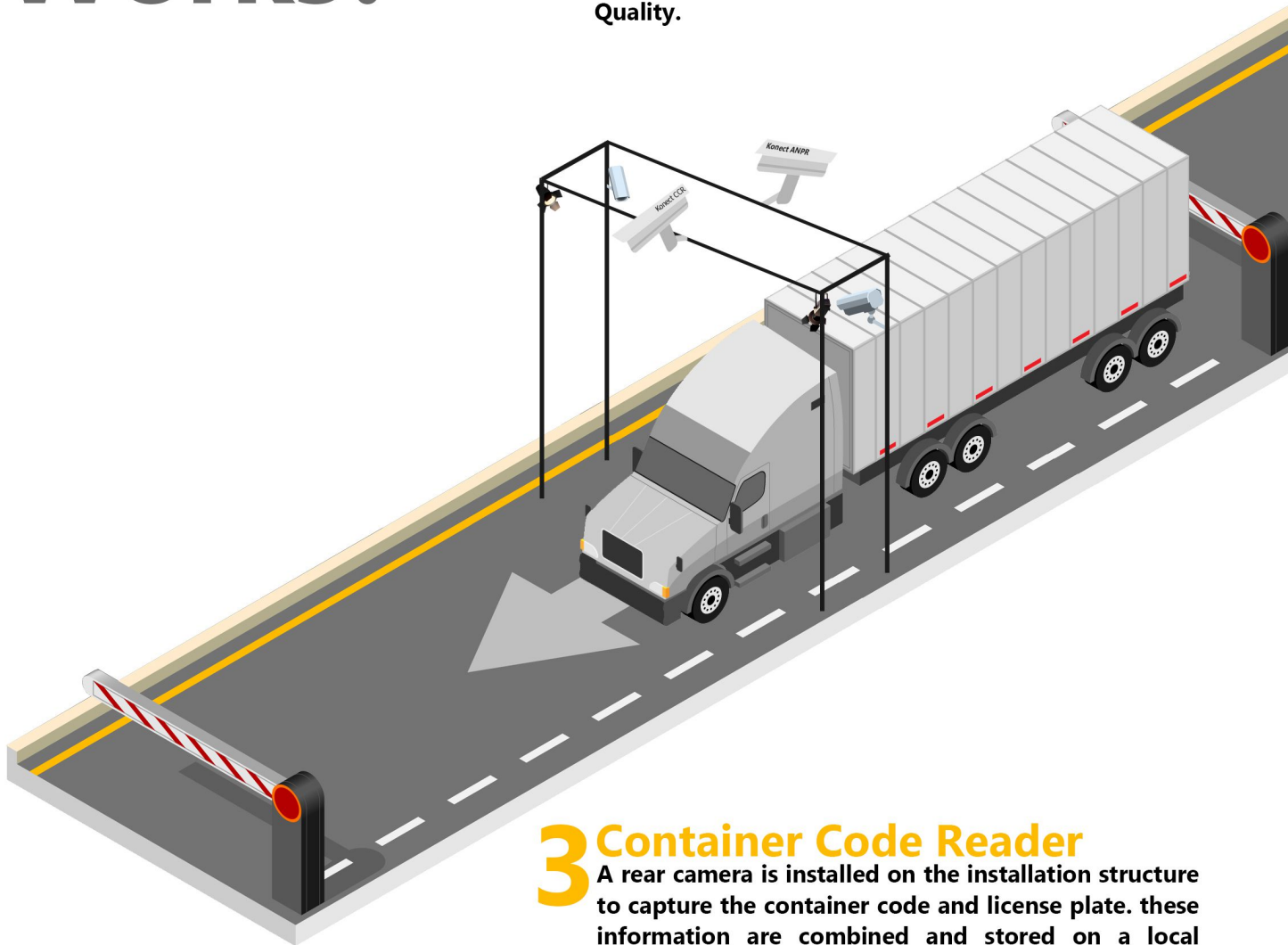
How System Works?

1 LPR Camera

Vehicle Plate is captured in the Entry of the warehouse or building or port. The barrier is opened based on the plate authorization. Image of the vehicle and the Time of Entry is stored in the database for further reports and stats.

2 Side Scan Camera

Two cameras are installed on the both side of the installation structure. These camera scan the left and right side of the container for any Barcode or Color Quality.



3 Container Code Reader

A rear camera is installed on the installation structure to capture the container code and license plate. these information are combined and stored on a local database and server.

4 Central Server

The final step is to send the data to a server and offer a management dashboard to experts and managers of the system to monitor the whole operation.

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Manual Method Challenges



**Slow and Low Efficient
in manual data acquisition**



**Mistakes
in Reading/Writing**

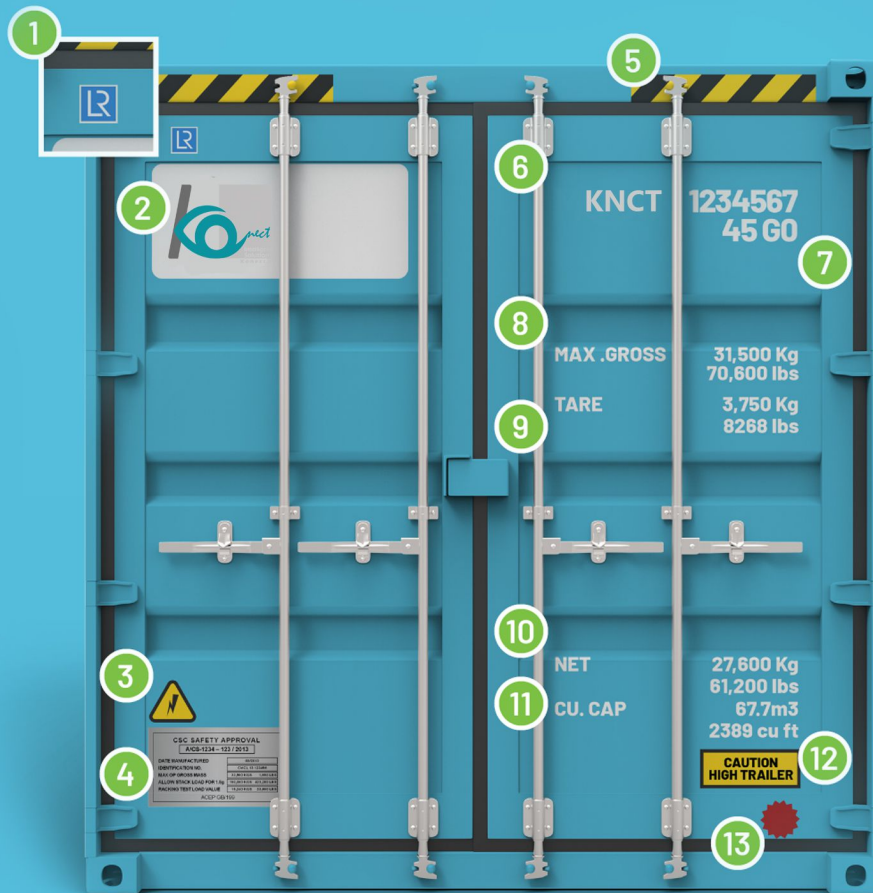


**Difficult
In Inspection**



**Lack of Effective
Data Collection**





Container Information

Containers contain more information that can be recognize and read.

1. Classification Society
2. Owner Details
3. Warning/Handeling Instruction
4. CSC / ACEP
5. High Cube Warning
6. BIC Code + Check Digit
7. Size + Type
8. Gross Weight
9. Tare Weight
10. Max Payload
11. Capacity in Volume
12. Height Warning
13. Manufacturer Details

Features & Capabilities



Live Stream

Real Time Streaming from all Cameras



Report

Dynamic Reporting by various filters



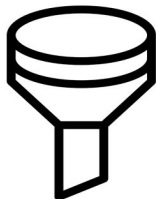
LPR Support

Different License plate support (Dubai, Abu Dhabi, Sharjah, ...)



Statistic

Various Chart and stats about passed vehicles and container codes.



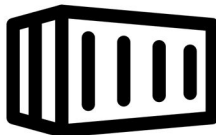
Classification

Vehicle Classification (Heavy, Bus, Sedan,...)



W/B List

White & Black list for plate and container codes. Ability to set alerts for Blacklist.



CCR Support

Detect and Read all types of ISO Codes



Quality Control

Color Quality Control of Containers



User Interface

Web-based user-friendly and responsive interface



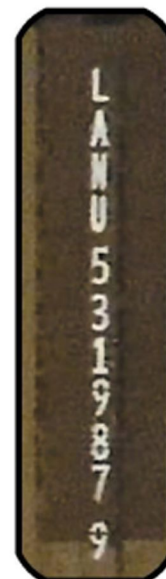
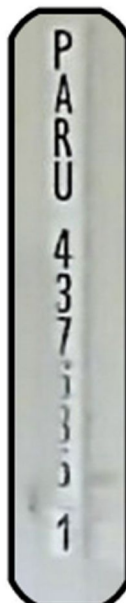
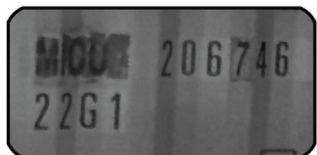
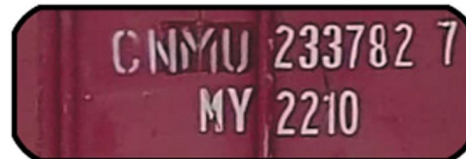
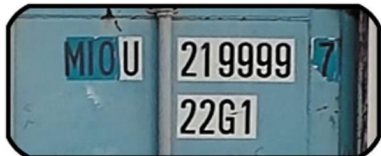
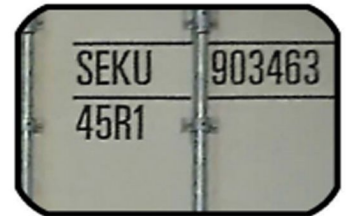
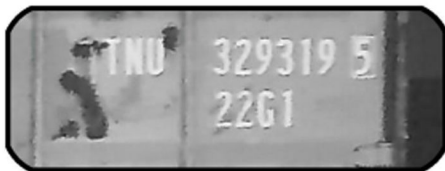
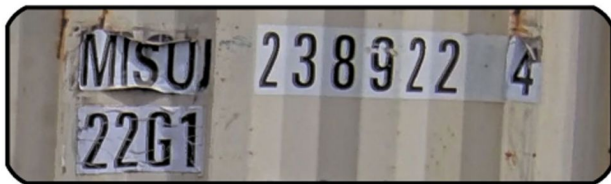
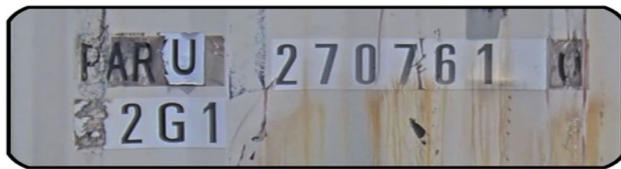
Language

Support Three languages (Arabic/English/Persian)



ROBUSTNESS

Our CCR can read Container Codes in Different ISO formats, different lighting condition, Different Text quality and





Intelligent
Solutions
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