



Truck OCR Solutions



Improving gate operations
with industry standard
OCR Truck Portal

Fast and accurate registration of trucks and containers to improve operational efficiency

Significantly increase speed, accuracy and throughput at your truck gates with Camco Technologies efficient and reliable gate automation solutions.

Crucial data is captured for all trucks and containers entering and leaving the terminal, and instantly shared with your TOS to optimize operations.

Terminal operations will gain from more accurate planning, freed up real estate, and reduced truck turnaround time. Terminal capacity will increase as more storage space becomes available while trucks are constantly on the move.

OCR Portals and gate automation

Reduce turnaround time and increase terminal capacity

Camco Technologies gate solutions employ an OCR/OFR camera portal that can be combined with kiosk solutions for further gate automation. Our portals are installed in 200+ terminals and ports and recognized as the benchmark for image quality, processing speed and OCR/OFR accuracy.

Each portal consists of a simple but solid structure, is equipped with a limited set of cameras, sensors and

LED lighting systems, and can be easily installed and maintained.

As the truck drives through the portal, all required data is captured, processed and instantly sent to the TOS for further use. High quality images of the truck and container are available for effective damage claims management. Optionally, pictures of the container's front and rear can be provided, for IMDG label recognition.



OCR accuracy rates	
Container number	>98%
ISO code	>98%
Hazard placards presence	>96%
Hazard placards classification (IMO class and subclass)	>93%
Truck front LPR (country dependent)	>97%
Container door direction	>99%
Seal presence (door facing rear)	>95%
Container position on chassis	>99%
External reefer unit	>99%
Detection of empty chassis	>99%

Intelligent camera system

Camco Technologies has developed a set of quality cameras, each specifically designed to assure the best OCR/OFR readings for every situation. Each camera is equipped with an in-built OCR/OFR engine, providing optimal OCR/OFR and minimizing network traffic and server load. This design guarantees OCR data, even if one or more cameras would not be functioning. Camco Technologies OCR solution is your best choice when looking at the overall OCR/OFR project investment costs and operational security.

Market reference truck portal technology

- High throughput: can handle a non stop truck flow at 10 m/s.
- Fast image processing with minimal impact on network and servers.
- Line scan technology for the truck's left, right and top side.
- Area scan technology for the truck's front (license plate) and container's front and rear, providing perspective correction.
- LED light on demand.
- Optional hardware for customized applications
- Excellent OCR accuracy rates.
- High resolution pictures.
- Reliable triggering system.
- Seamless TOS integration.

Our engineers will investigate the processes and procedures currently in use on the terminal and work together with the terminal operator to align them to the gate systems. These professionals bring true operational

experience and best practices adding significant value to each project: conceptual and detailed design, engineering drawings, instructions for contractors responsible for the civil works and guidance for integration with any TOS.



Two portals, satisfying different needs

Today, the Camco truck camera portal range includes a high-end configuration for critical operations in high demanding maritime environments as well as a ready-to-go portal for high-performance data capture in stable conditions designed for the intermodal and inland terminal market.



MARITIME TRUCK PORTAL



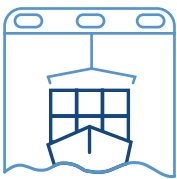
INTERMODAL TRUCK PORTAL

Marine, RoRo, Intermodal terminals

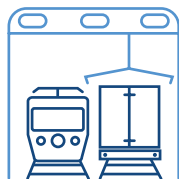
Terminals of every type and size benefit from gate automation. Higher lane throughput leads to optimized use of real estate, freeing up valuable storage space and enabling increased terminal throughput.

Our engineers are specialized in optimizing gate processes. Take advantage of our knowledge and expertise. Visit our website or just give us a call.

“The industry standard OCR truck portal for maritime and intermodal container terminals.”



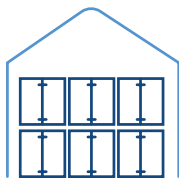
Maritime



Intermodal



Ro-Ro



Logistics

Camco Technologies is a pioneer in the automation of the container hand-over process. The Camco Technologies image recognition and location-based automation solutions provide accurate and essential data for terminals to optimize operations. Our proprietary hardware and software solutions integrate seamlessly with any terminal operation system and are implemented in more than 250 terminals all over the world.

We automate, you operate.

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