

GEN3 TRUCK OCR PORTAL

Introducing a new market standard



Industry trendsetter in OCR Portals

Camco's OCR Portal success story is entering a new chapter with the launch of a 3rd generation OCR portal. With its smaller footprint and durable design, terminal operators will gain in real-estate and system longevity. Improved technology will result in higher read rates and throughput at the truck gates.

In the portal frame design, integration was key. Portal controllers are built into the portal legs, while power and data cabling is integrated into the frame. A snap-on system is used to fix electrical equipment, while portal supports carry the side cameras. This allows for quick equipment installation at reduced costs and lead time.

A decade ago, Camco set the standard for highly reliable and durable portals: 400+ portals are daily used in over 120 terminals worldwide. The GEN3 portal is precisely designed to even surpass this success.

Contact us and discover how you can benefit from our portals.



Line scan image (1D camera)



CAMCO TECHNOLOGIES

Advantages

- Small footprint: efficient use of terminal real estate
- Maximized speed, accuracy and throughput at truck gates
- Easy maintenance: integrated equipment and cabling

Features

- Intelligent frame with integrated controller, cabling and portal supports
- High availability due to built-in redundancy
- Spotline triggering
- PoE enabled cameras

Cost and delivery

- Delivery to operational in 3 days
- Limited investment due to robust design and system longevity
- Short ROI times

Application

- Container terminals
- Intermodal terminals
- RoRo terminals

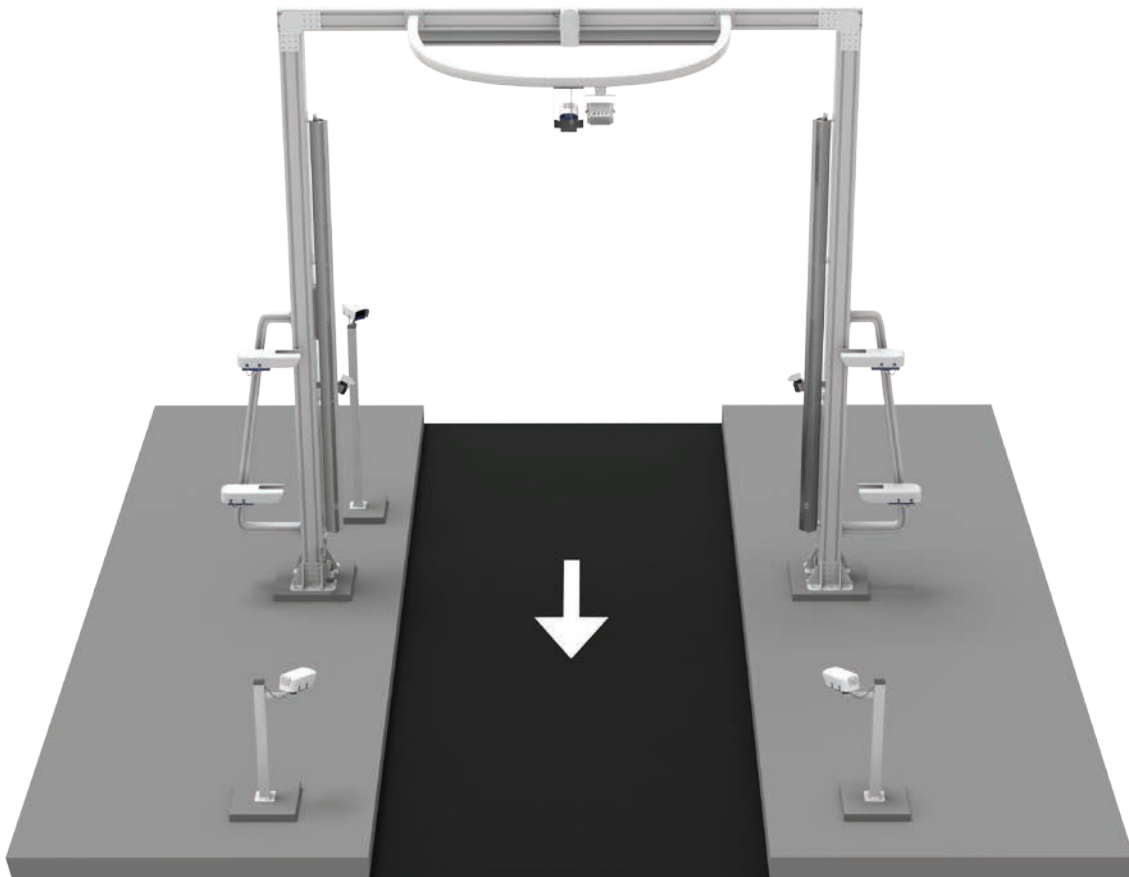
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3RD GENERATION OCR PORTALS

OCR PORTAL KEY SPECIFICATIONS

- Intelligent and remotely manageable electronic devices.
- Small footprint combined with proven spotline triggering.
- Integrated data and power cabling.
- Integrated and redundant Portal controllers.
- Dynamic drive-through supported from 0 to 60km/hr (37mi/hr).
- Delivery to fully operational in 3 days.
- Fast installation due to compact design and snap-on system.
- Economical due to high-volume manufacturing.



PORTAL FRAME

- Camco-owned design: durable anodized aluminum portal frame.
- Small footprint: limited dimensions (5.2x6.0m / 17x19.6ft).
- Enhanced equipment integration: side cameras (1D) fixed on portal supports, easy snap-on system for electrical equipment, integrated cable trays for data and power.
- Shippable in 20 foot container.
- Fully installed in 1 day.

CONTROLLER

- Integrated Portal Controller replaces Field Equipment Cabinet.
- Integrated into two portal legs and accessible via panel.
- Redundancy setup for high availability.
- Intelligent controller to steer all electronic devices such as cameras, LED lights, sensors and laser scanners.

CAMERAS

- PoE cameras, simplifying cabling.
- Integrated CPU and dedicated image processor.
- Compact housing.
- 2D camera: 4/12/25MP global shutter image sensors up to 200fps.
- 1D camera: new hybrid line scan sensor, allowing vehicle speed up to 60km/hr (37mi/hr).
- Guaranteed 10+ years availability.

SECURITY

- Portal controller has integrated PoE switch with proxy server.
- Communication with central server using a single IP address.
- Communication is encrypted with AES.
- Tamper-proof devices.

LED LIGHTS

- Gen4 LED light fixture: 1 unit of 4.5m (14.7ft) with easy snap-on system.
- Independent and easy accessible LED controller.
- Ethernet enabled with web interface for remote diagnostics.
- Super high-bright LEDs for scanning up to 60km/hr (37mi/hr).

SOFTWARE

- Next generation in-house developed image analysis software.
- Based on deep learning using neural network hardware processor.
- Guaranteed the highest OCR read rates.
- Continuous learning based on worldwide data in order to maximize OCR read rates.

IOT ENABLED

- PoE enabled cameras.
- Ethernet enabled LED lights, sensors, laser scanners, barriers.
- Web app for controlling all portal devices.

TRENDSETTER IN TERMINAL AUTOMATION SOLUTIONS

2001

CAMCO launches its first OCR Portal equipped with intelligent cameras for identifying trucks and containers.

Spotline triggering supports high volumes (600 trucks/hr).

Immediately set the benchmark by supporting 98% OCR read rates.

2008

The 2nd generation OCR Portal, with improved camera design, is recognized as the market standard: 400+ truck portals are installed in over 120 terminals in the Americas, EMEA and APAC.

It's the only portal used on fully automated terminals as RWG (Rotterdam), APMT MVII (Rotterdam), LBCT (Long Beach CA), QQCTI (Qingdao).

This highly reliable portal comes with a guaranteed 10+ years lifetime.

2017

CAMCO launches its GEN3 OCR Portal.



Port of Thessaloniki, Greece



CAMCO TECHNOLOGIES

March 2017 OCR Portal